

166
ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper for Those Who Make, Sell, or Buy
Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME X.

NEW YORK, MAY 10, 1922

No. 19

D U P O N T

VAT

ACID

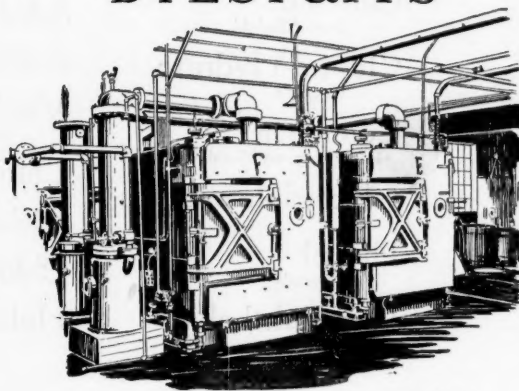
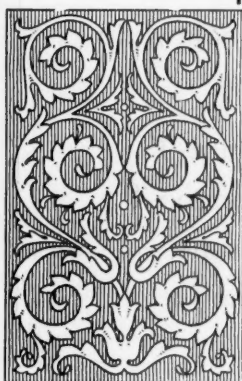
CHROME

BASIC

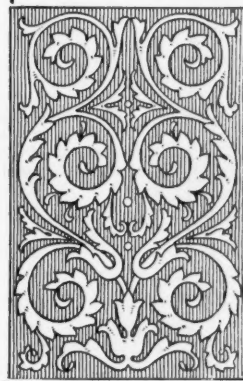
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Published Wednesdays by Drug & Chemical Markets, Inc., 3 Park Place, New York. Subscription \$4.00 a Year;
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ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

PUBLISHED EVERY WEDNESDAY BY

DRUG & CHEMICAL MARKETS, INC.

WILLIAMS HAYNES, President

IRA P. MACNAIR, Secretary F. F. BURGIN, Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay Cable Chemmarket

Home Life Bldg., Washington, D. C.

80 Fenchurch st., London, E. C. 3.

19 Rue Auber, Paris

40 Gr-Burstah, Hamburg

18 Yamashita-cho Kyobashi-Ku, Tokyo

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

Table of Contents

EDITORIALS—

At Your Expense	1063
Prosperity Strikes Union Snag	1063
The 1922 Idea	1063
Safe-Guarding Investments	1064

FEATURE TRADE ARTICLES—

Frank A. Blair Again Heads Proprietary Ass'n.	
More Than 200 Members in Attendance at New York Convention. Prominent Speakers Discuss Tariff and Taxation	1065
New York Convention. Prominent Speakers Discuss Tariff and Taxation	1065
Further Views on Trade and Tariff. Opinions for and Against the Senate Tariff Rates Come in a Deluge to Editor of Drug & CHEMICAL MARKETS	1067

TRADE NEWS—

Royal Baking Powder Co. Loses Appeal From Federal Trade Commission's Order Regarding Cream of Tartar Advertising ...	1065
Senate Approves Chemical Duties. Brought to a vote in Debate Now on	1066
Quarterly Production of Fats and Oils	1077
Important Chemical and Drug Conventions to be Held in June	1082
New Consuming Companies	1082
Tanner Say Wages Must Come Down	1083
Prices and Market Conditions in Marseilles....	1085

MARKET REPORTS—

Heavy Chemicals	1070-1071
Fine Chemicals	1072-1073
Intermediates and Dyes	1074-1075
The Oil Market	1076-1077
Crude Drugs	1078-1079
Essential Oils	1080-1081
The Consuming Industries	1082-1083
Foreign Market	1084-1085

PRICES CURRENT	1086
IMPORTS	1105
WANTS AND OFFERS	1107
BUYERS' GUIDE	1109
INDEX TO ADVERTISERS	1110



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DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME X, NUMBER 19

[MAY 10, 1922]

AT YOUR EXPENSE

If any good proof were needed that the tariff should be taken out of politics it was furnished in the Senate last week during the debate over the cyanide rates. Misstatements of known facts, eloquently laid before Congress for partisan purposes and published broadcast over the land by the daily press, may be playing the political game in the most approved manner, but it raises havoc with accurate public information. Misinformation about so basic an industry as the production of chemicals is a serious public matter, and when such misinformation makes a lying appeal to patriotism, and rouses class antagonism then political partisanship becomes plain and dangerous libel. Such displays disgust honest-thinking Americans of whatever political faith and inspire the wish that when the legal immunity of members of Congress speaking from the floor is abused, there might be some legal redress. The chemical industry could then present a pretty bill for damages.

We hold no brief for the Roessler & Hasslacher Chemical Co. and any defence of it by us would be wholly uncalled for; but we do have a very special commission to publish the facts about the chemical industry, and we consider it plainly a part of our public obligation to correct widely spread misstatements that concern this industry.

It was stated publicly from the Senate floor and printed in newspapers all over the country that the Alien Property Custodian took over and administered the affairs of Roessler & Hasslacher; that the company sold cyanide at exorbitant prices during the war; that it paid 900 per cent dividend.

On January 7, 1922, Thomas W. Miller, the present Alien Property Custodian wrote a letter to this company, which was filed before the Finance Committee during the tariff hearings and which is a part of the public, published records of the Senate, that shows all these misstatements in their true light. The Custodian did take over some German owned stock, but it was not a majority and he never controlled or administered the company. During the past six years dividends have averaged 37½ per cent on the capitalization, or 12½ per cent on the actual cash and property investment. The price of cyanide did soar, to over \$2.00, but it was the price of the second hand speculator and importer, not of the manufacturer, whose highest price was 37c.

The chemical industry remembers, and understands these facts. The public is attracted by sensational charges of monopoly, and does not concern itself with their truth. The result is that a supposed leader of public thought, may with impunity

whip his political opponents over the shoulders of American business. He can damage a firm and give a whole industry a bad name all in a cheap play to the political gallery gods.

Unfortunately in Congress what is good politics weighs more than what is good for business.

PROSPERITY STRIKES UNION SNAG

Labor Union leaders may understand the economic principle that if wages are higher than in normal times the manufactured products—shoes, clothing, foodstuffs—will necessarily cost the wage earner more, but they are never willing to admit the truth of this self-evident fact. The increased demand which follows lower prices naturally stimulates production, which means the employment of more workers. The union idea, however, is to get the highest possible wages for a few months, even if there is no work the rest of the year, and by advocating the closed shop and restricting the number of apprentices, the unions force unemployment upon thousands who are seeking work and should have the right to work without interference by men who are not satisfied with the wages offered.

This is the situation in Rhode Island, Massachusetts, New Hampshire and Maine textile mills; in the boot and shoe trade in Lynn and in Rochester; and in the soft coal districts of Pennsylvania and the West. Readjustment is progressing in a great many lines, but the snags in the leather, cotton goods, coal, and possibly the paper and the tanning industries, have thrown business out of balance and are causing delays which hamper the return of prosperity.

THE 1922 IDEA

That a consuming industry should welcome into its trade association the numerous houses which supply the raw materials, and should openly offer aid and solicit advice, marks the spirit of 1922 in American business. At the recent meeting of the Manufacturing Perfumers' Association in New York, F. W. Jones, last year's president, invited the co-operation of the houses which supplied the essential oils, bottles, boxes, labels, alcohol, and other materials vital to the perfume and toilet goods business. The sentiment of the perfumers at the meeting was distinctly in accord with their president. They appreciated that the raw material end of their business is an extremely important one and that the needs of their organizations could be best served by getting together with the suppliers. Accordingly, recommendations were made that the raw material firms should be invited to join, that each group should select a member to

serve on a general committee, which committee is to take up the big problems of the industry with a committee of perfumers.

Breaking down the barrier between the buyer and the seller is the business idea of to-day. Not only does it aid the seller to do business, but it likewise gives the buyer, as Mr. Heydon pointed out before the Druachem Club, freer and more intelligible access to his raw materials. By aiding his customers to do a bigger business, the raw material supplier, in turn, does a bigger business himself. Everybody in the scheme, is in for the help which he will get out of it, but by intelligently co-operating, he will also help everybody else, and above all, boost himself by helping the fellow who buys his goods. By coming right out in the open and putting their problems and needs before the suppliers as a group, and recommending to the suppliers that they also submit their problems for the consideration of the association, the Manufacturing Perfumers' Association has taken a somewhat revolutionary step. When and where have the buyers ever offered to help the sellers sell them more goods, or offered to aid the raw material man with his problems? The "seller be damned" has been altogether too common, and the buyer has many times over paid for an attitude of this character. The co-operation movement within one of the biggest trade associations is a common-sense, business idea, —a 1922 idea,—worthy of consideration in other quarters.

RELIABLE DATA ON DYE FASTNESS

Standardization has been seriously lacking in the field of dyes and no less so in the field of dyeing which is equally important from the standpoint of the user of the dyed material. Attempts to standardize the strengths and names of dyes among the various manufacturers have failed repeatedly through the strong desire on the part of makers to create trade marks of their own. In the field of dyeing it has been difficult to convince the dyers that the failure of their work was not due to definite faults of the dyes they used. Gradually, however, the consumers are looking more deeply into the subject and are demanding more of the dyer. One of the first results of this movement, which has found its expression through the National Council of Dyes and Colors, has been an extensive study of the fastness of dyes with a view to establishing a more or less definite scale by which fastness can be measured.

Present methods are woefully deficient from the standpoints of all concerned and in very few cases has it been possible to consider in fastness ratings all the factors which may affect the dyed goods when it comes into service. The inability of the dyer to control the conditions under which his product is washed has been a very unfortunate feature of the many complaints of fading in the past and it is hoped that cooperation with the various laundry associations may clear up this phase of the difficulty. Perhaps, more through definition

of the possible uses of dyes than anything else, the proposed fastness standards will benefit all concerned from the dye maker to the ultimate consumer of the dyed product. The desirability of standardization is hardly to be questioned.

SAFE-GUARDING INVESTMENTS

Many investors long ago discovered that there is no better guide for absolute security than that furnished by the list of bonds which New York savings banks are permitted to purchase. The laws governing such investments have been drawn primarily with the purpose of protecting the funds of savings banks by every reasonable safeguard that can be devised by the best investment experience. Thus municipal bonds are acceptable only when issued by municipalities in New York or adjoining states, or by cities of other states which conform to certain stringent requirements. Railroad bonds must be secured by adequate mortgage and be issued by a company with a stipulated regard for earnings and dividends. Stocks, industrial and public utility bonds, and foreign securities, which in the past have not been considered as conservative an investment as municipal and railroad bonds of the type named, are omitted entirely from the eligible list.

So successful has this law been in operation, that it is an almost unheard of occurrence for New York savings bank "legals" to default on principal or interest. Hence anyone, who does not possess expert knowledge of investment science, may profitably study the provisions of the New York Statute and the list of bonds accepted as conforming to the terms of that statute. It is difficult to find any more useful or dependable guide for absolute safety in investment.

"A Reuter message from Paris states that the police authorities at Frankfurt have discovered a vast organization for exporting dyestuffs from Germany abroad by means of false declarations." A well-known foreign trade paper makes this statement. Has Frankfurt just discovered the existence of the Cartel? Said police ought to peruse the monthly list of dye licenses issued by the United States.

"It is useless for the lambs to pass resolutions advocating vegetarianism unless the wolves change their diet"—a saying of Dean Inge of St. Paul's Cathedral which Congressmen voting to curtail the Chemical Warfare Service might use as a desk motto.

"Smoke Screen" was beaten by a head by "Tryster" in the Paumonok Handicap at Jamaica the other day, but he still runs a good race on the Congressional track.

The "closed door" of Japan as Perry found it some half century ago was not one whit tighter shut than the door of New York as some importers find it to-day.

Blair Again Heads Proprietary Association

All 1921 Officers Re-Elected—Over Two Hundred Members Attend Annual Meeting at Hotel Astor, New York, Representing Eighty Per Cent of All American Proprietary Medicine Makers—Hon. Henry Miles, of Canada Proprietary Ass'n, Condemns Tariff—Hear S. B. Penick on Crude Drugs—J. S. McCoy, Representing Treasury Department, Discusses Taxation

All the 1921 officers of the Proprietary Association were re-elected to serve for another year at the annual meeting held last week, May 3, 4, and 5, at the Hotel Astor, New York. Frank A. Blair, of Foley & Co., Chicago, was again chosen president. The other officers who were re-elected include E. K. Hyde, Mentholatum Co., Buffalo, N. Y., first vice president; Carl J. Balliett, Vick Chemical Co., Greensboro, N. C., second vice president; Charles P. Tyrrell, Syracuse, N. Y., secretary-treasurer. The following were again named members of the executive committee for two years: A. H. Beardsley, Dr. Miles Medicine Co., Elkhart, Ind.; J. F. Hindes, Emerson Drug Co., Baltimore, Md.; Z. C. Patter, Jr., Chattanooga Medicine Co., Chattanooga, Tenn. Ervin F. Kemp was again chosen general representative.

Close to eighty per cent of the entire proprietary medicine industry of the United States was represented by the two hundred odd members of the Proprietary Association, who registered at the annual meeting last week. When Frank Blair opened the first session Wednesday morning, a record attendance heard his annual address. Pointing to the progress and problems during the past year, he traced many of the association's troubles back to Washington, more particularly to the methods which have been used in alcohol law enforcement, threatened legislation, and difficulties with the Internal Revenue Bureau.

Apart from the events on the program confined to members of the association, the Hon. Henry Miles, of the Proprietary Articles Trade Association of Canada, and member of the Dominion Parliament, was heard on the tariff bill, which he declared "will create a grave situation as between Canada and the United States." S. B. Penick, president of S. B. Penick & Co., New York crude drug millers, gave an address on "Crude Drugs", touching on their historic, geographic, and therapeutic importance in medicine. E. E. Finch, general manager of the Karl Kiefer Machine Co., Cincinnati, spoke on "Production Plus". He was asked by a member where to get the orders to take care of the so-called "plus" part of the production. C. M. Schofield, of the U. S. Bottlers' Machinery Co., Chicago, discussed filling machines. M. J. Owens, of the Owens Bottle Machine Co., Toledo, gave a historical sketch of the glass bottle industry. F. J. Batchelder, consulting engineer, spoke briefly on "Appraisal and Inventory".

J. S. McCoy, actuary of the Treasury Department, Washington, spoke on the question of taxation, more particularly the taxation of the proprietary medicine industry, discussing the matter of stamp taxes, sales taxes, manufacturers' taxes, and other forms. Mr. McCoy answered numerous questions from members upon completion of his address. E. S. Rogers, of Reed & Rogers, Chicago, discussed "Trade Mark and Copyright Law". An advertising symposium, led by Carl J. Balliett, of the Vick Chemical Co., completed

the program of discussions outside of general committee reports by members.

Formal reports included that of the Requirements Committee by Messrs. Combs, Fuller, and Heuisler. Legislative Committee report was made by Chairman W. E. Weiss; Foreign Trade Committee report by J. A. Mitchell; Membership Committee report by Stanley P. Jadwin; report of the Secretary-Treasurer by Charles P. Tyrrell; report of the general counsel by Harry H. Thompson; report of the general representative by Ervin F. Kemp. Among the best known members of the Proprietary Association who have died during the past year, was Charles H. Fletcher, president of the Centaur Company, manufacturers of "Castoria" who was mentioned in the resolutions on deceased members, drawn up by the committee under the direction of Harry N. Good.

No definitely arranged social events were included in the convention program this year, although many of the attending delegates formed theatre and dinner parties as a means of renewing old friendships. Two manufacturers were represented at the meeting with exhibits of their products in adjoining rooms, the Ivers-Lee Co., manufacturers of Sanitape packing machinery, and the Karl Kiefer Machine Co.

ROYAL BAKING POWDER CO. LOSES APPEAL

The United States Circuit Court of Appeals for the Second Circuit, Judges Rogers, Hough and Manton, has affirmed the order of the Federal Trade Commission directing the Royal Baking Powder Co. to cease and desist from using certain labels simulating or resembling labels formerly used by the Royal on its "Dr. Price's brand of cream of tartar baking powder"; or selling or advertising its phosphate baking powder under the name of "Dr. Price's," or "Price's," unless the word "cream" is omitted and the word "phosphate" incorporated; or representing in connection with the sale of said phosphate baking powder that "Dr. Price's cream of tartar brand has been reduced in price"; or representing that said phosphate baking powder is the baking powder sold by the Royal under its "Dr. Price's" brand.

The Circuit Court says it is satisfied that the findings of the Federal Trade Commission are amply justified by the evidence, and that the order is within the jurisdiction of the Commission and therefore valid.

The action taken by the Federal Trade Commission grew out of the fact that in July, 1919, because of the scarcity and increased cost of cream of tartar, the Royal Baking Powder Co., which had bought the Price Baking Powder Co., known for 60 years as a manufacturer of cream of tartar baking powder, determined to change the Price baking powder to a phosphate powder. Cream of tartar cost more than five times as much as phosphate. The Federal Trade Commission claimed that to sell a phosphate powder as a cream of tartar powder or as Dr. Price's cream of tartar powder, was unfair trade practice and injured competitors of the Royal who were using cream of tartar and could not compete with the Royal in its low price for a baking powder which was advertised as a cream of tartar powder, but was made of phosphate. The Royal for many years had conducted an advertising campaign declaring that phosphate was unwholesome and dangerous.

SENATE APPROVES CHEMICAL DUTIES BROUGHT TO A VOTE IN DEBATE NOW ON

Rates on Acids Attacked by Democrats, but no Changes Made—Vote believed to Indicate that Bill Will Pass as Reported by Finance Committee—Monopoly in Cyanide Charged

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., May 10.—Senator Simmons of North Carolina, former chairman of the Finance Committee and at present ranking democratic member of the committee, has filed a minority report on the tariff bill in which he devotes considerable attention to the "enforced scrapping of the Fordney American valuation scheme."

The tariff bill has been under discussion for some time now. The first action taken by the Senate was the rejection of an amendment by Senator King reducing the House rate on acetic anhydride from 8 to 2½ cents a pound and the adoption of the Senate Committee amendment fixing the duty at 5 cents a pound; and rejection of Senator Jones amendment to reduce the rate on boric acid.

Senator Pittman of Nevada attacked the rate on cyanide used by miners and by farmers of his state. He said there was only one producer in the United States—the Roessler & Haslacher Chemical Co. with offices in New York, operating two subsidiaries, the Niagara Electrical Chemical Co., at Niagara Falls, New York, and the Perth Amboy Chemical Works, at Perth Amboy, N. J.

A vote was taken on Thursday, May 4, on the duty on boric acid, in the first paragraph of the chemical schedule. The Senate committee fixed the rate at one and one-half cents per pound. Senator Jones, Democrat, of New Mexico, moved to make the rate three-fourths of one cent. The vote came on the Jones amendment, which was defeated, 26 to 47. Two Republicans, LaFollette and Norris, voted for the amendment; and two Democrats, Broussard and Kendrick, voted with the Republicans against it.

It was the second test on the tariff bill, the first coming on Tuesday, and the line up was about the same, and is indicative of the vote that will be cast on the final roll call.

The Senate Finance Committee's amendments to the lactic acid section of the tariff bill were sustained by the Senate by votes of 40 to 23 and 39 to 23. These amendments increased the duty on lactic acid containing less than 30 per cent of actual acid by weight from 1½ cents to 2 cents a pound; containing more than 30 per cent but less than 55 per cent from 3 to 4 cents a pound; containing more than 55 per cent from 5 to 9 cents a pound.

The Senate approved the provisions of the bill for duties ranging from 4 to 20 cents a pound on tannic acid, tannin and extracts of nutgalls, according to the purity of the product.

The rate of 3 cents per pound provided for arsenic acid was agreed to to a vote of 40 to 18. The rate of 2 cents per pound on arsenious acid was agreed to without a vote when Senator King, Democrat, of Utah, demanded the presence of a quorum. This necessitated the request later by Senator McCumber, in charge of the bill, that the sergeant at arms round up the absentees. The provision was reopened and a rolleall demanded, resulting in a vote of 34 to 16 in its favor.

Business Brevities

Eugene Suter & Co., New York, is the name of the importing firm which has been incorporated under New York State laws, with \$400,000 capitalization.

The number of women employed in the chemical industry in New York State is 256, according to the Department of Labor. The report lists 336 women chemists.

A. Hummel, of Hummel & Robinson, has sailed on a business trip to England, France, Spain, Switzerland, Germany and Holland. He will return about the middle of July.

The American Carbonate Co. has leased buildings at 424 to 430 E. 19th st., New York, to David B. Bartelstone, manufacturer of phonograph records. The lease is for six years at an aggregate rental of \$50,000.

Joseph Plaut has returned from Germany where he found great industrial activity, high wages and large orders in all business centers. He believes Germany can pay in full the amounts fixed by the Reparations Commission.

Continued improvement in the general industrial situation of the United States is noted in the employment survey for the month of April made public by Francis I. Jones, director of the Employment Service, Department of Labor, Washington.

The Mexican Chamber of Commerce of the United States, Woolworth Building, New York, announces that a large quantity of logwood has been recently sold in Campeche at \$20 a ton, f. o. b. steamer Campeche. Merchants interested in this product may address the Chamber.

Two of the dyes recently announced by the National Aniline & Chemical Company, Inc., are National Pure Soluble Blue A and National Pure Soluble Blue B, which will be of interest to manufacturers of cotton, silk and paper, but specially to manufacturers of Gallo Tannate of Iron writing fluids. National Pure Soluble Blue B will also find considerable use in the production of bright blues on leather, chip, straw, vegetable ivory and feathers.

The Textile Color Card Association has been invited by the Chamber of Commerce of the United States, to prepare an exhibit of color standardization to be shown at the annual meeting of the chamber to be held at Washington May 15 to 18, and is preparing charts which will illustrate the growth of color standardization. Mrs. Margaret Hayden Rorke, managing director of the association, will attend the convention and will supervise the association's exhibit there.

The Reparations Commission has notified the State Department at Washington, that it will terminate the delivery of German dyes to the Textile Alliance of America on June 30. Unless the department officially designates the Alliance or some other American agency by that time, the commission will probably appoint a committee to select a medium through which the dyes can be sold in America. This decision was taken after the commission had waited nearly six months for the United States Government to approve the Alliance's arrangement with the commission.

Further Views on Trade and Tariff

"Drug & Chemical Markets" Deluged With Additional Opinions For and Against the Senate Rates

S. W. WILDER, Merrimac Chemical Co., Boston, mfrs.—One dollar per ton duty is wholly inadequate to give protection on Glaubers' Salt. The duty ought to be increased to \$5.00, or even \$7.00, per ton. The fact that so much of the material has been imported from Germany during the last few months is of itself sufficient evidence to indicate what is to be expected along this line.

Charles F. Squibb, New York, importer—I do not hesitate to say that I regard the proposed tariff legislation as absurd from an economic standpoint. It is purely a political proposition. The fact that the United States is a creditor nation, that the foreign debts to us were for goods bought at a profit to us and that the credits were obtained with the understanding that they were to be paid with goods on which Europe would make a profit, these facts have been ignored.

Henry W. Carr, Inyo Chemical Co., San Francisco, mfrs.—In order to achieve a minimum cost, a maximum production is necessary. To maintain a maximum production, the first requisite is absolute control of our own markets. Ninety per cent of all our products are consumed at home. It can therefore be readily seen that every importation that reduces our home production increases our productive costs, and thereby, not only increases our prices for home consumption, but prevents our being able to compete in the world markets. The low price at which we can now produce many commodities is due entirely to the large production made possible by our home consumption. Our home consumption is in turn greatly affected by the prosperity of our own people, and it is our firm conviction that the proposed tariff will greatly add to the prosperity of the people of the United States.

S. DeWitt Clough, Abbott Laboratories, Chicago, mfrs.—American products must be given preference in this country if we are again to return to prosperity, and enjoy continuance of the progress which has been made in this country during the past five years. The Abbott Laboratories has spent thousands of dollars, during and since the war, in original research work, which has resulted in the development of important, synthetic medicinal chemicals. We are but one of many American firms in a similar position. It is to be hoped that the proposed tariff legislation will provide ample protection, particularly at this time, when so much depends upon what happens during the next four years.

A. R. White, Michigan Electrochemical Co., Menominee, Mich., mfrs.—On bleaching powder we do not think that one-fifth cent per pound as proposed by the Senate is sufficient. Bleaching powder, as you probably know, is a perishable commodity and stocks

Feeling on the tariff question evidently runs sufficiently high that in response to a request to its various friends in the trade for an opinion on the Senate chemical and drug rates, DRUG & CHEMICAL MARKETS has been literally deluged with replies for publication. Lack of space absolutely prevents publishing numerous letters received, and those which are given herewith, in addition to those given in the two preceding issues, have, of necessity, been made as brief as possible by the editors.

cannot be allowed to accumulate at manufacturer's plant. One-fifth of a per cent per pound is not sufficient to prevent European manufacturers using the American market as a dumping ground for stocks that they accumulate from time to time and must move promptly to avoid a loss.

C. C. Baird, Baird & McGuire, Holbrook, Mass., mfrs.—The tariff proposed by the Senate on the products which we import is quite satisfactory. The proposed American valuation plan for imports is absurd. There really is never a fixed market value even in New York City for many coal tar products which are dutiable, and how an appraiser could ever arrive at a fair valuation is something beyond our understanding.

J. S. Pitter, S. W. Shattuck Chemical Co., Denver Colo., mfrs.—Our raw material at present is being imported, and if this importation is stopped with the tariff, mills in our vicinity, which have been forced to shut down operations, will reopen and we will be able to buy nearer home.

A. H. Pierce, Grasselli Chemical Co., New York, mfrs.—From a manufacturer's standpoint, it is doubtful whether the extension of the licensing system, as provided for in the Emergency Tariff Act, for a period of one year after the tariff bill becomes a law, will be sufficient inducement for the expenditure in the immediate future of the large sums of money necessary to further development in the manufacture of dyes. One year is not sufficient time to accomplish the necessary research work and construction for the manufacture of the specialty dyes which are not as yet made here. If the President, acting on authority provided for in the proposed bill, continues the dye and chemical control act for a further period of one year, in other words, making the licensing system operative practically for two years, it should enable to American dyestuff industry to make such progress as would place it in a very much better position to meet foreign competition. It must be remembered that foreign manufacturers are also making continued progress in the research and manufacture of new specialties and American manufacturers are under enormous handicap to reach the development attained by foreign producers in 1914.

A. H. Croughton, Puritan Soap Co., Rochester, N. Y., mfrs.—A big mistake is going to be made if they put a tariff on vegetable oils, also potash. Germany is shipping soap into this country through New York at a price which it is impossible for us to compete with, with the increased prices on vegetable oils caused by the tariff put on, in the temporary bill which is now in effect. The Tariff bill with its high duties on raw materials, will be one of the most disastrous bills ever passed for a country at large.

Edgar M. Queeny, Monsanto Chemical Wks., St. Louis, Mo., mfrs.—I believe that any tariff enacted now can only be a temporary one. The difference in

the standard of living of two nations, such as Germany and America, which are economically so close together, cannot exist for any great length of time. Therefore, the protection that is now necessary will be excessive when normal state of affairs returns.

In order, however, to adequately protect American industry against the present abnormal conditions, the rates proposed in the pending legislation are necessary. The necessity of the embargo was recognized by the Senate Finance Committee, and, I believe, by the entire country. This action is imperative if the American organic industry is to develop or to continue in existence, and although the two years provided is a short time for any material development, it challenges the industry to prove its ability and grasp the opportunity presented.

I hope, after two years, the world's economic condition will be such that an embargo will not be needed, but if these expectations are not realized, the confidence of Congress in American industry and this form of protection will no doubt have been gained and further extensions, if deemed necessary, will be forthcoming.

P. H. Groggins, Tower Manufacturing Co., Newark, N. J., mfrs.—Owing to the necessity of generalizing the rates to include large classes of materials (such as coal tar intermediates), some items are favored while others are handicapped by this process. Broadly speaking, the lower priced commodities are favored whereas the higher priced ones are not so bountifully provided for. As an example, let us assume that Germany can deliver aniline c. i. f. New York at 10c lb. (pre-war price). Now with a fifty percentum ad valorem duty plus a seven cent specific duty, the cost to consumers would be 22c per lb. which is above the present market cost.

However, the producer of Para Nitro Aniline is not so well provided for. Last summer German interests were offering this product c. i. f. Mexican ports at 42c. If we now add the 50 per centum ad valorem plus 7c specific duty the total cost to the consumer would be 70c. Now this figure is considerably below the American market price and I dare say it is below the cost of manufacture in a number of American plants. It appears to me that generally speaking, the specific duty for Intermediates should be graded so that the higher priced commodities obtain a justly higher specific protection. It can be seen from the preceding that although the former industry may be protected from foreign competition, the latter is virtually doomed.

H. O. Tucker, American Trona Corp., Trona, Calif., mfrs.—We believe the provision made in the general tariff bill as passed by the House and recommended by the Senate Finance Committee will adequately protect the American potash industry, and within the 5-year period, enable the various companies to improve their plants and increase their production of potash and by-products to a point where they will be in a position to compete with foreign sources at any price. This cannot be done at the present time because of the unreasonably low rate of exchange existing between the United States and Germany.

A. I. Appelbaum, Thac Indust. Prod. Corp., Trenton, N. J., mfrs.—Of the articles we sell, lithopone, barytes, and whiting, the only markets affected are those in the immediate vicinity of the main sea-port towns, namely, New York, Boston and Philadelphia; that beyond these the effect is not very great.

Samson Rosenblatt, New York, importer—American industry is entitled to all protection within a consis-

tent limit, but it certainly is not entitled to reckless profit-taking. It seems to us that the days of this sort of profit-taking are over and we should now be confined to quite legitimate and fair profits. In fact, the sooner the entire discussion of the tariff is over, and the sooner a definite program is adopted, the better it will be for all concerned, as we will then settle down to a stable basis, and where an item that is not used on a very large scale cannot meet foreign competition after due protection is given, we really think that the manufacturers should quit making this item and go in for something more profitable.

E. Milde, E. Milde Bottling Works, Jackson, Mo., mfr.—It is our opinion that the proposed tariff is entirely too high, especially on sugar, of which the bottlers are large users.

M. F. Quinn, Keystone Wood Pdts. Co., Olean, N. Y., wood products manufacturers—Prior to this tariff all goods that we manufacture were free of duty as far as Canada is concerned, and they are the only people who we figure as competitors. As you probably know, they maintain a high tariff on acetate of lime, wood alcohol and charcoal as against shipment into the United States. The new tariff imposes a tariff of 10c on alcohol; acetate of lime and charcoal are free. Our people requested that a tariff be imposed on goods from Canada equal to that imposed by Canada on American goods and, from the fact that our warehouses are full of acetate of lime and alcohol and charcoal is being piled up, it would seem to us quite right that our government should give us some protection in view of the Canadian people making it almost prohibitive for us to ship goods into Canada, and considering that during the war the government commandeered all of our goods except charcoal. Any surplus goods that we had on hand at the end of the war were thrown on the market at a very low price and disposed of.

S. A. Tilden, Chicago Starch Co., Chicago, importers and mfrs.—There should be imposed a duty of one cent or more per pound higher on potato dextrine than on potato starch, viz:—If the duty on potato starch is passed through at 2c per pound, the duty on potato dextrine should be made to read at least three to three and one-half cents per pound. A provision could be passed, allowing the importation of potato starch, for the manufacture of dextrine in bond providing for the remission of the duty imposed on potato starch when the dextrine manufacturer shows that the importation has been manufactured into dextrine. This would in no way interfere with the marketing of the products of American potato starch manufacturers, as their starch cannot be used for dextrine purposes.

GERMAN PATENTS TREATY TO BE REVIVED (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., May 10.—After hearing Secretary of State Hughes, in executive session, Friday, the Senate Foreign Relations Committee decided that the President had full authority to arrange for the revival of the pre-war Patents Treaty with Germany. The revival of the Treaty had been held up by Senators Johnson and Stanley, who questioned the authority of the President in this matter. The six months period during which the Patents Treaty may be revived, under the Treaty of Peace with Germany expires May 11.

The objection to the revival of the patent agreement grows out of the activity of the War Department in its efforts to have Congress pass the Stanley or similar bill compelling patents to be worked.

QUOTATIONS ON CHEMICAL STOCKS

Bid	Asked	Bid	Asked
Air Reduction	54 55	H's Electro	55 65
Allied Chem. & D., pf. 66½	67	H's Electro, pf.	60 70
*Allied Ch. & D., pf. 106½	107	Int. Agricult.	11½ 12
*Am. Ag. Ch., pf.	39½ 41	Int. Agricult., pf.	41½ 42
Am. Ag. Ch., pf.	67 68½	*Int. Nickel	18 18½
Am. Chicle	13 13½	*Int. Nickel, pf.	79 82
Am. Chicle, pf.	35 40	*Int. Salt	50 60
*Am. Cot. Oil.	25 27	K. Solvay	60 60
*Am. Cot. Oil, pf.	55 58	*Mathieson Alk.	28 30
*Am. Cyan.	15 20	Merck & Co., pf.	77 80
*Am. Cyan., pf.	35 45	Merrimac	77 79
*Am. Druggists S.	6 6½	Mulford Co.	45 50
Am. Glue	40 45	Mutual Co.	150 ..
Am. Glue, pf.	65 70	*National Lead	92 93
*Am. Linseed	33 33½	*National Lead, pf. 111	113
*Am. Linseed, pf.	55 56	N. J. Zinc	143 145
*Am. Malt	18 18½	Niag. A., pf.	96 100
*Am. Zinc	42 45	Parke, Davis & Co. 88	90
Amer. Zinc, pf.	19 20	Penn. Salt	65 67
Atlas Powder	120 125	People's Gas, Chi. 51½	62
Atlas Powd., pf.	80 82	Procter & Gamble. 124	128
British Am. Chem.	1 ..	Procter & Gam., pf. 102	106
By. Prod. Co.	57 65	Rollin Ch.	30 40
Carborundum	135 135½	Rol. Ch., pf.	80 90
Carborundum, pf.	115½ 116	Royal Baking Po.	105 110
Casein Co.	30 45	Royal Bak. Po., pf. 92	94
Celluloid Co.	104 104½	Sherwin-Williams .. 24½	25
Celluloid Co., pf.	111 112	Sherwin-W., pf.	93 97
Ches. Mfg.	200 205	Stand. Ch.	90 100
Ches. Mfg., pf.	109 112	Swan & Finch.	35 40
*Corn Products	102½ 103	*Tenn. C. & Chem.	11 12
*Corn Products, pf. 116	118	Tex. Gulf. Sul.	42½ 43
*Davison Chem.	60 61	Union Carbide	57 58½
Dow Chem.	200 200	Union Sulphur	69½ 70
Dow Ch., pf.	103 103	*Un. Drug	68 69½
Du Pont	100 105	*Un. Drug, 1st pf. 48	49
Du Pont, pf.	80 82	*Un. Dyewood	31 38
Du Pont Chem.	9 9½	*Un. Dyewood, pf. 94	96
*Freeport, Tex. Sul. 19	19½	Un. Gas, Imp.	38 39
*Freept. Tx. Sul. pf. 91	93	Un. Gas, Imp., pf. 50	51
Grasselli	130 130	U. S. Gypsum.	51 51
Grasselli, pf.	101½ 101½	*U. S. Indus. Al.	50 50½
Hercules Powder.	151 154	*U. S. Indus. Al., pf. 92	94
Hercules, Powd., pf. 98	100	*Va.-Car. Ch.	35 36
Heyden Chem.	1 1½	*Va.-Car. Ch., pf.	78 80
		*V. Vivadon	12½ 13

*Listed on New York Stock Exchange

Fire on the Canton Co.'s pier, Baltimore, May 8, destroyed 2,000 tons nitrate of soda, with loss estimated at \$100,000. Steamship Santa Barbara, discharging nitrate at the pier, caught fire and was towed into mid-stream, where blaze was extinguished.

Among securities sold at the Auction Salesrooms, 14 Vesey st., on May 3, were two lots of 100 shares each, of Morgan Chemical Corporation preferred stock, which brought \$5,000 per lot.

The New China Corp., San Francisco, was adjudged bankrupt, recently and creditors filed their claims, on May 8, with Armand B. Kreft, Room 202, U. S. Court House, San Francisco.

Bradstreets reports 500 failures for the week in the United States as compared with 448 for the previous week, and 351, 138, 93, 171 for the corresponding weeks 1921 to 1918.

The American Smelting & Refining Co. has declared a quarterly dividend of 1¼ per cent on the preferred stock, payable June 15, to holders of record May 15.

A judgment for \$213.22, costs in a suit, has been filed against the Nitro Powder Co., by the Agency for the Canadian Car and Foundry Co., Ltd.

The Hydro Carbon Gas Co., 850 West End ave., filed schedules in bankruptcy May 3, listing liabilities of \$5,025 and no assets.

The Roessler & Haaslacher Chemical Co. has filed a judgment for \$850.94 against the National Chain Co.

The Sherwin-Williams Co., has obtained judgment for \$269.32 against O. V. Wantland Co., Inc.

LEGAL INVESTMENTS IN NEW YORK STATE

The 1922 list of legally authorized investments for savings banks in New York State, just made public by the State Superintendent of Banks, shows an unusual number of changes from the 1921 tabulation. The addition of New York Central Refunding 5s 2013 and Northern Pacific Refunding 6s 2047, both new issues, is the most important alteration among the list of railroad bonds.

Among municipal issues the bonds of twenty-nine large cities including Pittsburgh, Trenton, Camden, New Bedford, Reading, Scranton and Omaha have been dropped; while Topeka, Kan., Orange, N. J., and Seattle, Wash., are the most notable communities whose bonds have been added. Altogether the names of two hundred and sixty-six municipalities that were mentioned in the Jan., 1921, list, are not now approved by the Banking Department while those sixty-six others, which failed to appear in 1921, are now acceptable to it. The State Banking Department has few extra copies of its list available for general distribution, and Kemek, Hodges & Co., 14 Wall street, have included it in a booklet which contains also a complete transcript of the law defining savings bank and trust fund investments. The personal liability of a trustee who invests funds in his charge in other than authorized securities and the proper course for such a trustee to pursue with respect to bonds, all right at the time they were purchased, but which have since ceased to be a legally authorized investment for trust funds, is also described.

The Hercules Powder Co. report for the quarter ended March 31 gross receipts of \$4,243,659 against \$2,828,237 in 1921. Net profits for the period totaled \$375,847 after expenses, charges and taxes, against a loss of \$62,401 in the first quarter of 1921.

The Welch Grape Juice Co.'s sales during March, 1922, were the largest in the history of the company, according to a statement issued May 3. The company's bank loans have been reduced to less than \$300,000, against \$2,000,000 in June, 1920.

One thousand shares of Tubize Artificial Silk Co. of America stock, 8 per cent preferred, and 200 shares of Class B, common stock, were sold at the Auction Salesrooms, on May 3, for \$20,000 for the lot.

Devoe & Reynolds Co., Inc., has filed a judgment for \$720.70 against the Geo. G. Hall Co.

New Incorporations

John B. Love Chemical Co., Wilmington, Del., capital \$250,000. Incorporated by the Delaware Charter Co.

Romono Formulas, New York, capital \$2,000. To acquire formulas. Incorporated by the U. S. Corporation Co.

Benetol Sales Co., Wilmington, Del., capital \$300,000. To sell disinfectants.

Wheeling Oxygen Co., Wheeling, W. Va., capital \$200,000. W. H. Frank, P. J. McGinley, James W. Ewing, Wheeling.

Casale Ammonia Co. of America, Inc. Jersey City, N. J., capital 100 shares of stock of no par value. George H. Russell, George J. Nutting, Samuel Drayton. Incorporated by New Jersey Corporation Agency, 243 Washington st., Jersey City.

Alco Chemical Corp., Brooklyn, N. Y., capital \$12,000. A. H. Green, H. M. Gordon, I. A. A. Blish. Attorney, Samson Selig, 233 Broadway, New York.

Scuorzo Chemical Laboratories Co., Newark, N. J. Ernest and Alfred A. Scuorzo, 235 Oliver st., Newark.

Alumino-Thermic Corp., 15 Exchange Place, Jersey City, N. J., capital \$300,000. Chemical business.

W. R. Christie Co., Presque Isle, Me., capital \$150,000. To deal in fertilizers.

Eugene Suter & Co., New York, capital \$400,000. Drugs and chemicals. E. Suter, F. Russell, H. C. Tomlinson, Jr. Attorney, Attorney, A. C. Cox, Jr., 15 Broad st.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, Pages 1090-1091

CAUSTIC SODA IN DEMAND FOR EXPORT

Makers Advance Oxalic Acid—Yellow Prussiate of Soda Sharply Higher on Spot—Bleaching Powder Subject to Concessions—Prices of Heavy Chemicals Firmer Abroad

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Acid Oxalic, 1½ lb. Soda Prussiate, ¾ lb.
Soda Caustic (resale), 20c cwt. Tin Crystals, ¼ lb.

Declined No Declines

Trend of the Market

	Today	Last Week	Last Month	Last Year
Acetic Acid, Glacial.....lb.	\$.08½	\$.08½	\$.08½	\$.11
Sulfuric Acid, 66 deg.....ton	14.00	14.00	14.00	18.00
Bleaching Powder, Works...100 lbs.	1.60	1.60	1.90	2.40
Copper Sulfate.....100 lbs.	5.50	5.50	5.40	5.25
Potash, Caustic.....lb.	.06	.06	.05¼	.05½
Saltpetre, gran.....lb.	.07¾	.07¾	.07¾	.09¼
Soda Ash, 58 p.c.....100 lbs.	1.80	1.80	1.80	1.90
Caustic Soda, 76 p.c.....100 lbs.	3.85	3.65	3.65	3.65
Potassium Bichromate.....lb.	.10	.10	.10	.11½
Average.....	2.996	2.985	3.056	3.509

Improvement in heavy chemicals continues and has been quite marked in a few directions during the past week. Caustic soda is very firm on increasing export demand. Oxalic acid has been sharply advanced by makers. Yellow prussiate of soda is sharply higher here. Bleaching powder is dull with export prices subject to sharp concessions. Prices abroad are generally firmer.

Acid, Acetic—Carlot prices based on \$2.25@\$2.37½ for 28% in barrels as to maker. Other strengths proportional. Glacial at 8c@11 1-8c per pound in carlots in barrels as to seller.

Acid, Mixed—Drums at works are quoted at 7¼c @8c per unit of nitric and 1c@1¼c per unit of sulfuric. Tank cars at works are quoted at 7½c@8c per unit of nitric and 1c or slightly less per unit of sulfuric as to maker.

Acid, Muriatic—No change. Prices as to maker based on \$1.10@\$1.50 per hundred for 20° acid in carlots of carboys, f. o. b. works. Other strengths and quantities at proportional prices.

Acid, Nitric—Makers quote 38° acid in carlots of carboys at \$5.00@\$5.65 per hundred at works as to brand. Single carboys on the same basis are \$5.65@ \$6.55 per hundred.

Acid, Oxalic—Makers advanced their prices over the week end to a basis of 12¼c@13c f. o. b. works in barrels as to brand. Spot offers are heard at 13½c ex-store. Demand has been stimulated by the advance and the prospect of still further advances.

Acid, Sulfuric—Makers name \$14@\$16 per ton for 66° acid in tank cars at their works as to brand and location. Carlots of drums at works quoted at \$1.00 per hundred and carlots of carboys at \$1.25. Prices on 60° are based on \$9@\$11 per ton in tanks at makers' works.

Alum—Ammonia lump at 3¼c@3½c in carlots and less. Potash lump from makers at 4¼c@4½c and from importers at 3¼c@3½c. Potash and ammonia chrome alums at 6½c@7c.

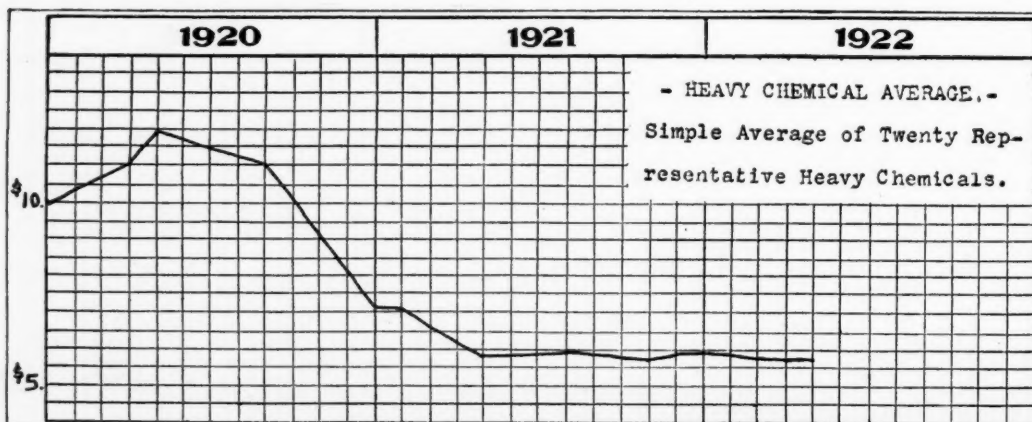
Aluminum Sulfate—Makers quote contracts for iron free in carlots of bags at works at \$2.25 and prompt cars at \$2.35. Commercial on contract for carlots in bags is quoted at \$1.40 f. o. b. nearby works, and prompt cars at \$1.50. Prompt cars in bags f. o. b. Western works at \$1.35.

Arsenic—White arsenic firm at 7c@7¼c in kegs spot.

Barium Chloride—Makers quote \$100. Importers, \$102@\$105. One maker offers contract for large quantity over a period at \$85.

Bleaching Powder—Makers heavily overstocked and export prices subject to decided shading. Nothing better than \$1.60 for cars works to domestic consumers.

Copper Sulfate—Export demand increasing. Prices firm at \$5.50@\$5.60 in less carlots spot. Carlots delivered at \$5.55@\$5.65 per hundred in barrels.



Potassium Chlorate—Makers are selling at 8c in kegs against a firm price from importers of 6½c.

Potash Prussiate—Red scarce at 65c@70c. Yellow very firm at 27½c@28c. Futures 29c best for imported.

Soda Ash—Firm. No resale less than \$1.80 in bags and little below \$1.90. Contract bags carlots basis 48% f. o. b. works held at \$1.20.

Soda Caustic—Export demand has increased decidedly. Spot nothing less than \$3.85. Little below \$3.95. Contract basis unchanged at \$2.50 basis 60% f. o. b. works in carlots. Some makers sold up. Others have little to offer.

Soda Prussiate—Shipment, nothing less than 18c landed. Spot lots firm at 18½c. Some sellers quote 18½c and better.

Tin Crystals—Makers quote higher at 28c@30½c in barrels and kegs as to quantity.

Metals

No marked changes in metal prices over the week end. Copper, lake and electrolytic, at 13c and casting at 12½c. Antimony higher at \$5.35@\$5.40 per hundred. Lead easier at \$5.35. Tin steady at 30¾c for Straits. Zinc steady at \$5.30@\$5.35 per hundred.

Heavy Chemical Notes

H. H. Carroll, of Wing & Evans, New York, has just returned from an extended business trip through the West.

Six casks of red prussiate of potash arrived at New York from Hamburg last week. This was the first shipment to arrive in many weeks.

Phosphate rock sold in the United States during 1921 amounted to some 1,968,000 long tons, as compared with 4,103,982 long tons sold in 1920.

The sudden advance on oxalic acid over the week end came as a surprise to the trade generally, especially since no reason has been definitely assigned by producers.

A further lot of 16,856 tons of surplus sodium nitrate stored at Middletown, Pa., is offered by the War Department for sale by sealed bid at Frankford Arsenal, Philadelphia, May 17.

The Dow Chemical Co., Midland, Mich., has recently issued a new catalog of their products. Di- and tri-chlor-acetic acids, anthranilic acid and methyl anthranilate have been added to the list since their last catalog.

Imports at the port of New York last week included 194 casks and 750 bags of barium carbonate, 79 casks and 92 barrels of barium chloride, 1,900 bags, 10 casks and 90 barrels of glauber salt, and 106 casks of yellow prussiate of soda.

Herbert H. Dow, of the Dow Chemical Co., Midland, Mich., and Dr. C. A. Browne, of the N. Y. Sugar Trade Laboratory, New York, will address a meeting of the American section of the Societe de Chimie Industrielle, at the Chemists' Club, May 12.

The Nichols Copper Company, 25 Broad st., New York, have taken over the selling agency for the copper output of the Granby Consolidated Mining Co., formerly held by the American Metal Co. The account amounts to some 3,000,000 pounds of copper per month.

ELECTROCHEMISTS ELECT OFFICERS

The newly elected officers of the American Electrochemical Society are:

President, C. G. Schluederberg, Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.; past president, Acheson Smith, Acheson Graphite Co., Niagara Falls, N. Y.; vice presidents, H. C. Parmelee, Editor, New York City; A. H. Hooker, Hooker Electrochemical Co., Niagara Falls, N. Y.; W. S. Landis, American Cyanamid Co., New York City; managers, A. T. Hinckley, National Carbon Co., Niagara Falls, N. Y.; W. M. Corse, National Research Council, Washington, D. C.; Wm. Blum, Bureau of Standards, Washington, D. C.; treasurer, F. A. Liddbury, Oldbury Electrochemical Co., Niagara Falls, N. Y.; secretary, Colin G. Fink, consulting electrometallurgist, 101 Park avenue, New York City.

The Electrothermic Division has elected the following named officers: Chairman, Bradley Stoughton, consulting engineer, New York City; vice chairman, John A. Mathews, Crucible Steel Co. of America, New York City; secretary-treasurer, Colin G. Fink, New York City; directors, George K. Elliot, The Lunkenheimer Co., Cincinnati, O.; J. H. Parker, Carpenter Steel Co., Wyomissing, Pa.; W. J. Priestly, U. S. Naval Ordnance Plant, S. Charleston, W. Va.; D. A. Lyon, Bureau of Mines, Washington, D. C.

Honorary membership has been conferred upon Dr. Carl Hering, one of the founders of the society. Dr. Hering has made extensive studies of electric furnaces.

The fall meeting will be held in Montreal, with headquarters at the Hotel Windsor, on September 21 to 23.

U. S. OUTPUT OF SULFURIC ACID

Washington, D. C., May 10.—Sulfuric acid was produced in thirty states in 1920 according to a report by the U. S. Geological Survey. The amount was approximately 5,600,000 short tons, of 50° B. to 66° B., computed as 50° B. acid. The estimated value of this acid is \$59,000,000. Production of the stronger acids amounted to 502,970 short tons valued at approximately \$10,600,000. Figures relative to the production of sulfuric acid in 1921 will be compiled by the Bureau of the Census, Department of Commerce.

Records of the Bureau of Foreign and Domestic Commerce show that 14,494 short tons of sulfuric acid, valued at \$738,188, were exported from this country in 1920, and 5,409 short tons, valued at \$87,797, were imported.

The production of pyrites in 1920 was 310,777 long tons, valued at approximately \$1,597,000. This quantity was almost twice that produced in 1921—157,118 long tons—estimated to be worth about \$700,000. The reports received from producers indicate that the market for pyrites has been very poor for the last two years, because the manufacturers of sulfuric acid, who have heretofore been the principal purchasers of pyrites, are now using more native sulfur, which is cheaper and more easily handled.

ZINC INSTITUTE ON TRADE OUTLOOK

(Special to DRUG & CHEMICAL MARKETS)

St. Louis, May 10.—The slogan of the American Zinc Institute at its annual meeting here on Monday and Tuesday was "Make It of Zinc." The reason is obvious, Alfred S. Hearn saying that the excess zinc smelting capacity in the United States is 300,000 tons per annum, and unless the members of the Institute back up the slogan and find new uses for zinc at least 300,000 tons of American zinc smelting capacity would have to be scrapped.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, Pages 1086-1088

CHLOROFORM CUT SHARPLY BY MAKERS

Drops 8clb. for U.S.P.—Competition Keen—Makers Cut Hydroquinone—Caffeine Citrate Cheaper—Menthol Weakens—Salicin Advanced—Cod Liver Oil Easier Abroad

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Salicin, 50c lb.	Sodium Cacodylate, 75c lb.
	Tin Crystals, 1c lb.
Declined	
Acid Phosphoric, U.S.P., resale, Caffeine Citrated, 25c lb.	Hydroquinone, 20c lb.
1c lb.	Menthol, 40c lb.
Chloroform, U.S.P., 8c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year
Acetanilid	\$3.31	\$3.31	\$3.31	\$3.30
Acid, Citric, Import .....	.45	.45	.45	.43
Caffeine, Alkaloid	3.75	3.75	3.75	5.90
Calomel, American .....	.94	.94	.88	.83
Camphor, Jap., ref. ....	.77	.77	.80	.74
Iodine, Resublimed	4.05	4.05	4.05	3.75
Menthol	5.75	6.15	6.25	3.80
Morphine Sulfate	4.80	4.80	4.80	5.20
Potassium Bromide, Cryst. ....	.23	.23	.23	.24
Quinine Sulfate, Import .....	.60	.60	.58	.65
Sodium Salicylate .....	.32	.32	.32	.30
Strychnine Sulfate .....	.75	.76	.76	1.55
Average	1.87	1.89	1.90	2.01

Improved buying during the first week of May was in contrast to slow April business, and tends to strengthen the position of values. A higher market in a number of products would not be surprising.

Acetphenetidin—Firm at the recently noted advance by manufacturer, \$1.85lb. 100lb. lots.

Acid Acetylsalicylic—Quiet. Resale lots spot 74c@76clb. Makers 80c basis 100lb. lots.

Acid Benzoic—U.S.P. 100lb. bbls. 55c@75c unchanged. Soda benzoate easier, but unchanged price 48c@60c as to maker and quantity.

Acid Citric—Imports heavy, 1,540 casks from Palermo, but closely held. Situation firm spot, imported 45c@46c casks and kegs, crystals. Import cost about 47c duty paid, based on present shipment figures. Domestic makers handling most business, 45c@46c bbls. crystals and powder. Small shipments coming forward from abroad.

Acid Phosphoric—Resale and imported U.S.P. syrupy phosphoric acid in carboys easier spot at 14c lb. Makers up to 19c.

Acid Tartaric—Firm. Tends to climb owing to high import cost and active demand. Spot imported casks crystals 27c@27½c, powder 27½c@28c. Shipment still at 26c c. i. f. Imports last week at N. Y., 700 casks from Palermo. American makers 30c unchanged.

Antipyrine—Firm at last week's advance to \$2.25lb. by leading seller. Outside lots at \$2.00 reported cleaned out on spot.

Bromides—Position firmer spot. Potash, soda, and ammonia bromide 16c 100 kilo cases, 17c small way. Shipment higher.

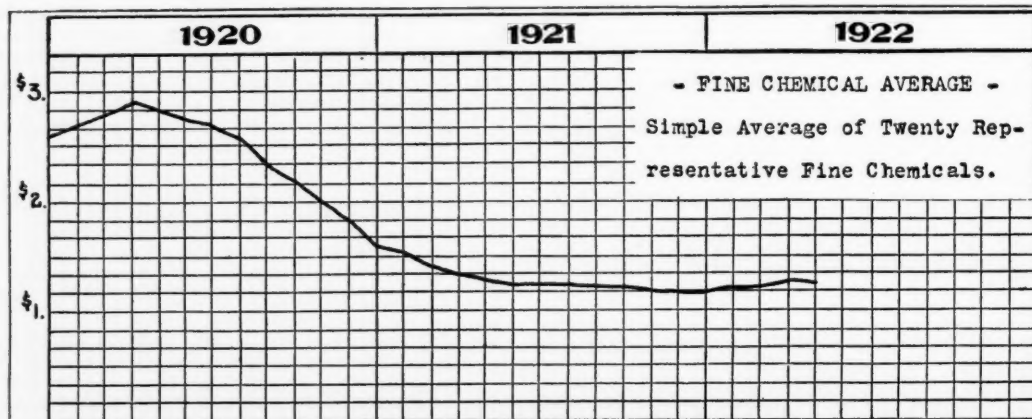
Caffeine—Quiet and unchanged spot. Alkaloid \$3.75 lb. basis 100lbs. Citrated lower \$3.00lb. Cables name lower alkaloid London.

Camphor—Slabs spot cases dull and easy at 77c@79clb. Imports last week 545 cases at New York. One pound cartons 93c@95c. One pound tins ounces to arrive 95clb. American refiners 90c bulk gum in barrels unchanged.

Cod Liver Oil—Steady on spot at \$23.00@25.00 Norwegian bbls. as to brand. Fair demand for this season. Primary markets still above New York prices for shipment, but not quite so bullish. Cables name easier London.

Castor Oil—Moving well at 12c AA water white oil in barrels, 13clb. for cases.

Chloroform—A leading producer of chloroform cut the price of U.S.P. sharply early this week to a basis



of 30c/lb. in 120 and 700lb. drums. This represents a drop of 8c/lb. and follows within a fortnight of a recent cut from 43c to 38c. Competition has been unusually keen.

Cream Tartar—In steady demand at 23½c@24c/lb. for imported spot U.S.P. bbls. and kegs. Domestic makers 26½c bbls. unchanged.

Formaldehyde—Continues weak. Competition between makers keen. Bbls. carlots 8c, less cars 8½c, carboys 9½c/lb. works.

Gelatin—Good spot supply. Case lots 90c/lb., less cases 95c@\$1.00.

Glycerin—Demand continues dull. Refiners quote 14½c@15c/lb. C.P. drums. Cans 15½c@16c. Outside lot cans 14¾c.

Hydroquinone—Manufacturers have cut the price to a basis of 90c/lb. 100lb. lots.

Menthol—Prices were cut late last week to \$5.75/lb. spot cases, ranging to \$6.00 for less case lots. The drop was coincident with a decline in shipment prices from Japan and a near-by shipment afloat which is not as yet sold. Offering of the floating goods to arrive at \$5.80 duty paid last week was undoubtedly also a factor in the drop. Shipment is reported to be down to \$4.75 c. i. f. and likely to go lower if consumer interest here does not show increase.

Mercury—Prices in London are slightly easier. Spot market maintained at \$55.00@\$56.00 flask with stocks concentrated in strong hands. Consumers not buying at this time.

Morphine—With another advance in opium and bullish reports from the Near East, morphine and codeine prices may be forced up.

Potass. Permanganate—Easier spot 14c 220lb. drums, U.S.P. Reported less in a big way.

Quinine—Imports 30 cases from Rotterdam. Imported Java and domestic sulfate 100 oz. tins same basis 60c spot. Lot Jap to arrive near-by at 59c.

Salicin—Prices have been moved up again, inside on spot now being \$4.50/lb.

Sodium Cacodylate—Importers again name higher figures for spot goods at \$4.60/lb. in 25 to 50lb. lots.

Soap, Castile—Lots of Conti's spot cases are offered cheaper here at \$8.50@\$9.00 case. Supply better on new imports.

NEW DENATURED ALCOHOL FORMULA

Washington, D. C., May 10.—David H. Blair, Commissioner of Internal Revenue, is sending the following announcement to collectors regarding another specialty denatured alcohol formula.

"The following formula, to be known as specially denatured alcohol Formula No. 25 Alternative, is hereby authorized for use in the manufacture of Churchill's Tincture of Iodine and Tincture of Iodine, U. S. P. To every 100 gallons of pure ethyl alcohol add a solution composed of 20 pounds iodine U. S. P. 15 pounds potassium iodide U.S.P., 15 pounds water."

CAMPOR SALES IN SECOND QUARTER

Contracts for the sale of BB grade camphor during the current quarter amounted to 508,000 pounds, according to a cablegram dated May 1 from Consul Henry B. Hitchcock, Taihoku, Taiwan (Formosa), Japan. There are further stocks available for sales during the three months' period, April-June.

Medicinal Chemical Notes

Mallinckrodt Chemical Works announce a reduction in the price of U.S.P. chloroform to a basis of 3c/lb. in fifty pound drums or more. The same company also announces a cut in hydroquinone to a basis of 90c per pound in 25lb. lots.

Although outside stocks of chloroform have been underselling the producers for a year and a half back, the latter have not cut prices. Within the past two or three weeks, however, two reductions have been made, one of five cents and one of eight cents, a total drop from 43c to 30c.

Tuesday's cable from London reports a cut in the price of caffeine alkaloid in that market.

Two leading American importers of cacodylates, have been compelled to advance their prices for sodium cacodylate owing to the materially higher quotations which foreign producers are asking for shipment to this market.

Production of cod liver oil in Norway at the present time exceeds last year's at the same time by some 4,000 hectolitres which may account to some extent for a slight softening of the position in Europe.

In Germany the tendency of bromide prices appears to be gradually upward as supplies available under the old government licenses become smaller.

Several buyers of antipyrine tried to catch the market asleep last week immediately following the advance, and buy in before the upward movement became general. It is understood that they were unsuccessful.

O. L. Biebinger, secretary of the Mallinckrodt Chemical Works of St. Louis, is visiting the New York office of the company for a few days.

DENATURED ALCOHOL FORMS CHANGED

(Special to Drug & Chemical Markets)

Washington, D. C., May 10.—The Commissioner of Internal Revenue has issued notice to Collectors regarding new form 1477 for application for specially denatured alcohol and form 1512 to procure sample of specially denatured alcohol. The notice reads:

"It is the desire of the Department that all outstanding Forms 1477 be recalled as soon as expedient and new Form 1477 substituted therefor in which will be stated the maximum quantity of specially denatured alcohol that may be withdrawn in a period of thirty days. Please note carefully the instructions on the reverse side of Form 1477 revised outlining the manner in which the form is to be handled both by the Collector and the permittee.

"The Forms 1477 now outstanding covering formulas 23-A, 37, 39, 39-B and 40 should be among the earlier ones called in by the Collector. It is desirable that this exchange should be on or about the first day of May, 1922, and other outstanding Forms 1477, covering the older authorized formulas, should be called in and the new Forms 1477 substituted June 1st.

"Attention is called to Form 1512 'Application for Permit to Procure Sample of Specially Denatured Alcohol' with Collectors' approval thereof. You are instructed to notify all duly qualified denaturers and bonded dealers in specially denatured alcohol in your respective districts that no further samples of specially denatured alcohol are to be furnished to persons except pursuant to approved Form 1512.

The Intermediate and Dye Market

Current Spot Quotations of Intermediates and Dyes, Pages 1095-1096

EXPORT INQUIRY FOR COAL-TAR PRODUCTS

Revival of Demand for Shipment to South America and Japan Reported—Prices for Domestic Business Unchanged—Crudes Firm—Concessions Possible on Large Business

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
No advances
Declined
No Declines

Trend of the Market

	Today	Last Week	Last Month	Last Year
Benzene, C. P. gal.	\$.29	\$.29	\$.29	\$.27
Naphthalene, flake lb.	.07	.07	.07	.08
Phenol lb.	.12	.12	.12	.09
Xylene, 10 degrees gal.	.35	.35	.35	.45
Toluene, pure gal.	.30	.30	.30	.28
Aniline Oil lb.	.15½	.15½	.15½	.20
Benzaldehyde lb.	.55	.55	.55	.45
Betanaphthol, dist. lb.	.28	.28	.28	.34
Paranitroaniline lb.	.75	.75	.77	.80
o-Toluidine lb.	.16	.16	.20	.25
Average	0.302	0.302	0.308	0.319

Indications are noted by some traders in coal-tar products of the beginning of a revival of export demand for intermediates and dyes. Some few orders have been placed within the past few weeks for shipments to South America and Japan besides scattering business recently noted to Southern Europe. Otherwise business has been unchanged from the recent slow routine of small lot domestic trading. Prices throughout the list have been held without change during the week, but there is a decided probability that business in a large way would bring out concessions. Crudes are firm, but broadening operations in the steel industry may lead to easing here.

Coal Tar Crudes

Benzene—Prices firm. Basis 29c for C. P. in tank cars at works. Drums quoted up to 34c. Supplies scarce on slow demand.

Naphthalene—Prices steady at 7c@8c for flake and 8c@9c for balls from refiners in carlots and less packed in barrels. Outside flake at 6½c in carlots barrels.

Phenol—Very firm. U. S. P. can be done in a limited way at 13½c in large drums and up to 15c as to seller. Government surplus held at 12c@17c as to packing and quantity.

Toluene—Prices firm on scarcity. Light demand at 30c in tanks and up to 35c for drums.

Intermediates

Acid, 1, 2, 4.—Makers quote 80c@85c as to quantity on slow demand.

Acid, Cleve's—Quoted at \$1.50@\$1.54 in barrels, ton lots and single barrels.

Acid, Gamma—Offered at \$1.80 by makers. Other prices up to \$2.00 as to brand and quantity.

Acid, H—Held firm. Quoted at 85c@90c as to brand for quantity lots in barrels.

Acid, Monosulfonic F—Prices held steady by makers at \$2.30@\$2.35.

Acid, Naphthionic—Steadier following recent decline. Crude offered at 60c@62c and refined at 65c@67c as to quantity in barrels.

Acid, Sulfanilic—Makers quote 22c@24c in barrels.

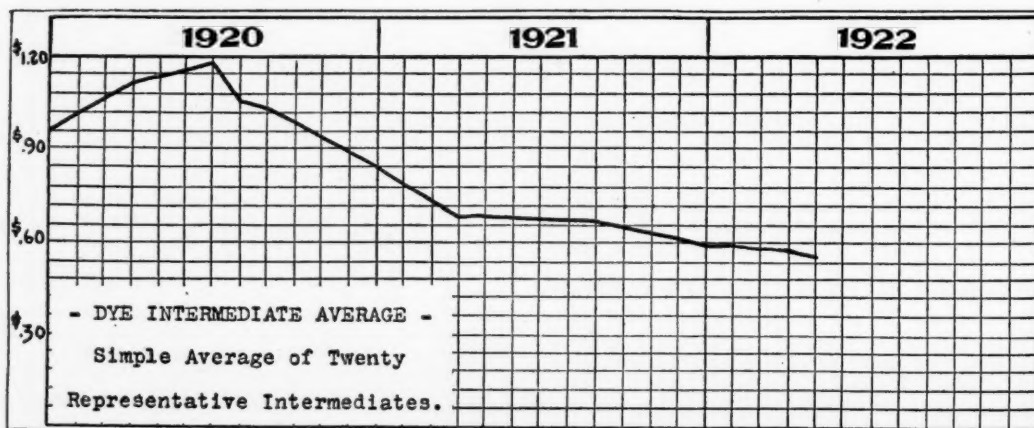
Aniline Oil—Quoted generally at 15½c@16c for ten drum lots and less spot but available elsewhere at 15c for single drums. Market weak with little new business offered and makers unable to cut prices below present levels.

Anthraquinone—Sublimed offered as to brand at \$1.35@\$1.60 for quantity lots. Paste slow.

Benzidine—No change. Price of 85c@90c quoted as to quantity by makers. No activity in sulfate.

Beta-naphthol—Rumors of prices lower than 28c @30c for quantity lots in barrels emphatically denied by makers. Demand slow but no advantage is to be had by price reductions.

Dimethylaniline—Increased movement at 36c@38c in drums. Occasional export inquiry noted.



G Salt—Steady at 65c@70c basis 100 per cent for solution in barrels.

Meta-nitroaniline—Moving slowly at 72c@75c as to quantity from makers. Firm at this level.

Meta-phenylenediamine—Demand slow but prices held firm at \$1.00@\$1.05 as to quantity.

Para-nitroaniline—Ton lots quoted at 75c@78c in barrels as to maker. Single barrels as high as 80c as to brand.

Para-toluidine—Makers quote \$1.00 to \$1.14 for quantity as to brand packed in barrels.

Phthalic Anhydride—Active at 35c@37c in barrels and kegs from makers.

R Salt—Offered by makers at 54c@60c as to brand.

Xylidine—Very firm at recent advance. Named at 42c@45c as to quantity in drums.

Dyestuff Notes

The sub-committee of the Senate Judiciary Committee met again on Wednesday to hear Paul Pickhardt, of Kuttroff, Pickhardt & Co., German dye importers, New York.

Aniline oil for motor fuel is attracting widespread interest in the trade as a possible outlet for the excess production of this material, following the extensive advertising of one aniline maker.

Reports are current here that the French dye makers are planning to enter the field of fine dye manufacture on a world wide scale in competition with the German and Swiss companies now controlling that market.

One of the manufacturers of aniline oil recently prepared a cost sheet for DRUG & CHEMICAL MARKETS, showing the lowest possible cost to him at his works to be not less than 14c per pound without allowing for accidents or profits.

Indications of a revival of our export trade in dyes and intermediates to both Japan and South America have been noted in the past few weeks. Several very satisfactory orders have been placed here recently, and the number of inquiries received is increasing.

The National Aniline & Chemical Co. has recently issued a second revised edition of its "Manual of Hosiery and Knit Goods Dyeing." Chapters are devoted to monotone shades, natural and artificial silks, mercerized cotton, heather effects, tricolette, and water in the dyehouse.

Societe Anonyme des Matieres Colorantes et Produits Chimiques de Saint Denis, denies the recent report of an agreement between that company and the German cartel by which the latter was to receive a proportion of the former's profits in exchange for technical formulae and men to operate them.

Crude anthracene is obtained by "whizzing" or pressing the solid separated from the anthracene oils distilled from tar. This product contains 15% to 35% anthracene. It is further purified to 75% to 80% by washing with solvent naphtha and may be subsequently sublimed. Ordinarily the purification beyond 80% is left to the alizarin works.

FALL COLOR CARD IS OUT

The color card of the Textile Color Card Association of the United States is now being distributed. It gives the fashionable colors to be used by all industries and trades for next Fall. It contains eighty colors, sixty-six of which are portrayed in silk and twelve in woolen fabrics. Twelve shoe leather and hosiery shades are featured in separate groupings.

The virile hues of autumn foliage—greens, yellows, reds, blues and orange—are prominent in a group of evening shades such as poinsettia, Chinese green, celestial, golden glow and eglantine. The tans are named muffin, toast and tiffin. A feature is the introduction of bright greens called Killarney and Erin; also a group of odd coppery greens of the Russian type named kremenlin, samara and narva. Bittersweet, a deep orange and brickdust, a rich copper-red, are two new shades. Grays are featured in both light and medium tones, such as woodash, fog and lead. Purples are prominent. Various new shades of brown are spice, ginger, chutney, ragoon and mandalay.

Kashan is a deep turquoise, named after the famous Persian pottery. Ranges of deep oxheart reds, brilliant liberty blues, also soft firmament blues and deep sand shades are also offered.

Of special interest among the woolen group is a novel tan shade called pigskin. Apache and tuscan are new browns with golden and reddish undertones. A distinctly new red is introduced, called akbar. A deep wine shade is named armada.

The shoe and hosiery colors are silver, mist and pigeon grays, soft fawns, otter and mouse shades. Browns are much in evidence, ranging from light golden to reddish and dark Rembrandt shades.

TEXTILE MEN ENDORSE DYE EMBARGO

(Special to DRUG & CHEMICAL MARKETS)

Winston-Salem, N. C. May 10.—In an address before the Cotton Manufacturers Association of North Carolina, Dr. Charles H. Herty urged textile men to support the American dye industry, and quoted prices for which German manufacturers were selling dyes to German textile interests and the higher prices which are exacted from American firms buying German colors. At the conclusion of Dr. Herty's address, Bernard M. Cone, of Greensboro, presented resolutions, which stated that the only way to preserve the American dye industry is by an embargo. Mr. Cone favors the continuance of an embargo, as outlined in the following resolution which was unanimously adopted:

"Be it resolved that this Association declares itself in favor of the continuance of the present qualified embargo on foreign dyes as provided in the amended bill H. R. 7456, recently reported to the United States Senate by the Finance Committee, and respectfully urges the senators and representatives in Congress from the state of North Carolina to give the organic chemical provisions of that bill their earnest support."

The Grasselli Chemical Co. has placed on the market Diamond Blue Black R. B. Conc. The strength, shade and solubility of this new product compare most favorably with any product of a similar type on the market, the company says. The fastness to light and fulling is excellent. It may be used for dyeing wool, on raw stock, yarn or piece goods, either on chrome mordant or after chromed. It is equal to similar types of Diamond Blue Blacks formerly imported by the Bayer Co. The shade is a trifle greener.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, 1098, Naval Stores 1099

EXPORT DEMAND FOR ANIMAL OILS

Advance Announced for Animal Oils—Perilla Oil Higher—Crushers Advance Linseed Oil—China Wood Oil Firm and Fairly Active—Naval Stores Lower on Spot, But Higher Abroad

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Cottonseed, crd., ¼c lb.	Oleo, ¼c lb.
Linseed, 2c gal.	Perilla, ¼c lb.
	Turpentine, 3c gal.
Declined	
	Rosin, 5c bbl.

Trend of the Market

	Today	Last Week	Last Month	Last Year
Cod Oil, N. F.	\$.60	\$.58	\$.57	\$.48
Degras, American, bbls.	.04½	.04½	.03¾	.05
Lard, No. 1	.80	.80	.65	.70
Menhaden, crd. bbls.	.42	.42	.42	.28
Neatsfoot, 20 deg. ct., gal.	1.80	1.80	1.32	1.00
Red Oil, distilled	.08¾	.08¾	.08¾	.06¾
Stearic Acid, T. P.	.10	.10	.10½	.11½
Coconut, Ceylon, Dom., bbls.	.08¾	.08¾	.09	.10
Cottonseed, crude, tanks	.10	.09¾	.10	.05
Linseed, Carlots, bbls.	.90	.88	.79	.70
Olive, denatured	1.12	1.12	1.12	1.40
Peanut, refined	.13¾	.13¾	.13	.10
Soya Bean, bbls.	.11½	.11½	.10½	.07¾
Average	0.480	0.477	0.410	0.373

Trading in oils during the past week has been along quiet routine lines. Export demand for animal oils and greases has lent some strength to this section of the list and an advance has been noted on oleo oil. Crude cottonseed oil continues scarce and is nominally higher. Crushers have advanced linseed oil on continued strong demand. Perilla oil is higher. China wood oil continues firm and fairly active. Fish oils generally are scarce and inactive for this reason. Naval stores prices are lower here and at primary points in spite of higher prices abroad.

Vegetable Oils

Linseed Oil—Crushers quote higher at 90@92c per gallon in carlots of barrels according to brand. Demand has been active. Importers name 85c@87c in barrels spot, as to quantity. Antwerp prices higher

at 217 francs per 100 kilos. London, firmer at 44s 3d per quintal.

Flaxseed markets are dull. Buenos Aires, easy at \$1.99½. Duluth, at \$2.73@2.75. Winnipeg, at \$2.45@2.46.

Castor Oil—Firm at recent advance. No. 1 barrels at 12c and No. 3 at 11c.

China Wood Oil—Steady. Spot active at 14c@14½c in barrels. Coast, nominal at 12c@12¼c, barrels. Orient to New York, c. i. f., firmer at 12c in barrels.

Coconut Oil—Quiet. Prices firm. Ceylon barrels at 8¾c@9c; Cochin at 9¾c@10c, spot. Manila in sellers' tanks Coast at 7¼c@7½c prompt. Edible barrels spot at 13¼c. Copra 45½c c. i. f. New York.

Corn Oil—Crude at mills easier at 9½c@9¾c in tanks. Barrels, mills at 10¾c@11c. Crude barrels spot at 11½c. Edible at 13¼c.

Cottonseed Oil—Trading dull. Crude nominally higher at 10c in buyers' tanks mills. Prime summer yellow on the Exchange, very dull. Spot to September at 11½c@11¾c, October, 11c. November-December, 9¾c@10c.

Olive Oil—Foots unchanged at 8¾c@9¼c spot and 8½c@8¾c for arrival. Denatured steady at \$1.12.

Palm Oil—Little activity. Lagos at 7½c@8c, bonny old Calabar at 7¼c@7½c, and Niger at 6¼c@6½c.

Perilla Oil—Increasingly active. Shipment higher at 12¼c@12¾c in barrels, c. i. f. New York. Spot higher at 13½c@14c.

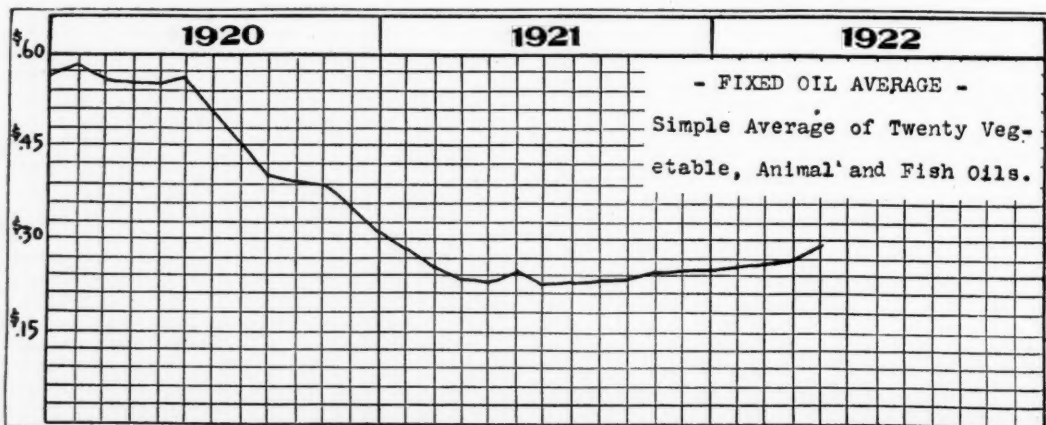
Soya Bean Oil—Coast position firm at 11c in sellers' tanks. Spot barrels at 11½c. Edible barrels spot at 13c@13½c.

Animal Oils

Degras—Steady at 4¼c@4½c for American in barrels and 4¾c@5c for English. Neutral at 6c@7c as to grade and quantity.

Lard Oil—Steady on a basis of 9¼c for No. 1.

Oleo Oil—Export demand broadening. Prices higher. No. 1 at 10¾c, No. 2 at 9¾c and No. 3 nominal at 8c@8¼c.



Tallow Oil—No change from 9¼c in tanks and 10c in carlots of barrels.

Fish Oils

Cod Oil—Stocks very low. Newfoundland oil in barrels nominal here at 60c@62c. Carlot sales at 60c. Stocks in Newfoundland practically nil.

Menhaden Oil—No offers except from Gulf ports. Prices there around 42c in tanks. No Chesapeake oil expected for six or eight weeks yet.

Naval Stores

Rosin—Lower prices named throughout the list. Present range is from \$5.15 for B to \$7.25 for WW. Demand sluggish.

Turpentine—Spot higher at 95c. Savannah lower at 83c. London higher than last week at 89s 6 d per quintal.

Oil Trade Notes

The Oil Trade Association of Philadelphia will give its annual shad dinner on May 11.

De Voe & Reynolds, New York, have established a merchandising school for their salesmen.

Imports of oils here continue very heavy as importers are making every effort to accumulate stocks before the tariff goes into effect.

The total seal catch of Newfoundland fishermen is 142,000 skins, brought in by eight steamers. Three steamers are now on their second trip.

Robert Badcock, of Badcock & MacLeod, 90 West street, New York, expects to sail this week for a six weeks trip to England and Newfoundland.

Dr. C. H. Cole and associates, of Monroe, La., have purchased the Monroe Cotton Oil Co's plant, and will install new machinery. The company will be capitalized at \$250,000.

The convention of the Interstate Cottonseed Crushers' Association, announced for May 10, 11 and 12 at New Orleans, has been postponed to June 7, 8 and 9 on account of the flood conditions in Texas.

Probably the strength in China wood oil, recently attributed to the Chinese revolution, was caused rather by the sale of 5,000 tons of oil recently by one of the Hankow operators.

H. J. Jackson, formerly manager of the purchasing department of the National Varnish Co., has opened offices under his own name at 59 Pearl st., New York. Mr. Jackson will deal in vegetable oils and varnish gums.

The United States consumes some 50 per cent or more of the China wood oil crop of China according to a statement recently issued by the Department of Commerce. In 1917 70 per cent of the output was shipped to America.

E. H. Hart, secretary of the Oakland Merchants' Exchange, Oakland, Cal., is negotiating with the La Blume Soap Co., Paris, France, for the erection of a local plant for the manufacture of high-grade soap products. A site is being selected. The project is estimated to cost about \$1,000,000, including plant buildings and machinery.

Exports of vegetable oils during March included coconut oil, 865,584 lbs., valued at \$72,355; cottonseed oil 5,575,011 lbs. of crude and 4,080,058 lbs. refined; the crude was valued at \$459,148, and the refined \$469,249; peanut oil 354,138 lbs., valued at \$35,105; linseed oil 233,982 lbs., valued at \$28,065; corn oil 569,801 lbs. valued at \$63,260; cocoa butter 69,547 lbs., valued at \$23,071. Norway, Mexico, Cuba, Canada, Uruguay, Japan and the Philippines were the best customers.

PRODUCTION OF FATS AND OILS
(Special to DRUG & CHEMICAL MARKETS)

Washington, May 5, 1922.—The Department of Commerce announces that the factory production of fats and oils (exclusive of refined oils and derivatives) during the three-month period ended March 31, 1922, was as follows: Vegetable oils, 487,795,890 pounds; fish oils, 1,939,856 pounds; animal fats, 530,176,282 pounds; and grease, 98,822,785 pounds; a total of 1,118,734,813 pounds. Of the several kinds of oils and fats covered by the inquiry the greatest production, 427,744,422 pounds, appears for edible and neutral lard. Next in order are cottonseed oil with 263,993,020 pounds; linseed oil with 124,940,934 pounds; tallow with 100,029,934 pounds; and coconut oil with 53,404,283 pounds.

Nearly all the crude vegetable oils are passed through a refining process, although some virgin oil is expressed. The production of refined oil during the three-month period was as follows: Cottonseed, 278,931,165 pounds; coconut, 35,602,927 pounds; peanut, 10,327,815 pounds; soya-bean, 18,900 pounds; and corn, 24,521,644 pounds.

FRENCH PRICES FOR OLIVE OIL

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, May 1.—The olive oil market continues quiet. Quotations on 100 kilos lots follow:

	Francs
Bouches du Rhone	440 a 475
Var	390 a 420
Sousse, new, extra	410 a 415
Tunis, new	365 a 390
Tunis, old	340 a 350
Algerian, new	315 a 360
Levant, superfine	nominal
Algerian, commercial, purified	290
Tunis, commercial, purified	280
Domestic, commercial, purified	190 a 200
Corsican, commercial, purified	180 a 185
Pressed olive oil	190 a 200
Oil from pulp and husks	145 a 180

The Paint, Oil and Varnish Club will elect officers at its annual dinner, Hotel Astor, May 11, and will also elect delegates for the 1921 convention of the National Paint, Oil and Varnish Association will be chosen. The nominating committee, H. Gates, chairman, has named the following ticket: President, D. E. Breinig; vice president, H. D. Ruhm; secretary, H. G. Sidebottom; treasurer, G. H. Tomlinson, executive committee, Carl H. Black, chairman; Frank P. Cheesman, Frank C. Fuller, H. M. Howard, E. S. Phillips, Harold Rowe; arbitration committee, G. W. Harmon, S. L. Buschman, R. O. Walker, Frank Woolsey.

Importers of linseed oil on the Coast are having trouble with their bulk shipments from England on account of the expansion of the oil in passing through the warmer climate of the Panama Canal. Large wastes of oil were experienced with the first few shiploads received, which were due solely to failure to make proper allowance for this expansion when the cargo was loaded.

Exports of rosin and turpentine during March went principally to England, Argentine, Brazil, Canada, Germany, Japan, Australia and British South Africa. Rosin exports amounted to 120,821 barrels, valued at \$555,385. Turpentine exports were 707,975 gallons, valued at \$632,319.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, Pages 1100-1101

SCARCITIES CENTER OF INTEREST

Cantharides, Musk Root, and Henbane Very Scarce—
Lycopodium Easier—Cut Althea Firmer—Belladonna Leaves Softer—Rhubarb Quiets Down—
Quince and Decorticated Cardamom Seeds Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Cantharides, Russ., \$1.50 lb.	Laurel Lvs., 1c lb.	Senna, Alex. Sift., 1/2c lb.	
Isinglass, Russ., \$1 lb.	Althea Rt., Cut, 2c lb.	Licorice Powdered, 3/4c lb.	
Mastic, Gum, 4c lb.	Aniseed, Star, 1/4c lb.	Sarsaparilla Rt., Mex., 2c lb.	
Henbane Lvs., 15c lb.	Celery Seed, 1c lb.	Cardamom Seed, Decort., 3c lb.	
		Quince Seed, 25c lb.	
		Belladonna Lvs., 1c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year
Aconite Root, U.S.P.	\$2.23	\$2.22	\$2.30	\$2.25
Buchu Leaves, Short	.85	.85	.85	1.05
Cantharides, Russian	—	3.50	2.50	2.00
Cocculus Indicus	.04 1/2	.04 1/2	.05	.14
Ergot, Spanish	1.00	1.05	1.00	1.00
Insect Powder, pure	.53	.53	.53	.36
Ipecac, Cartagena, powd.	1.90	1.90	2.00	2.50
Nux Vomica	.06	.06	.06	.14
Opium, gum	6.00	6.00	5.75	5.50
Rhubarb Root, H. D.	.65	.65	.65	.30
Tragacanth, No. 1, ribbon	2.00	2.00	2.10	3.60
Wild Cherry Bk. thin nat.	.09	.09	.09	.10
Average	1.39	1.37	1.35	1.42

Routine activity with interest centered on a few scarce items, has characterized a quiet week. Smallness of spot stocks and high shipment cost holds the spot situation potentially strong.

Agar Agar—No. 1 in small supply spot \$1.20/lb. No. 3, 70c.

Balm Gilead Buds—Soft and unchanged at 40c@45c lb. spot.

Cantharides—Russian about cleaned out. One holder asks \$5.00/lb. for small lots whole and powder. Chinese firmer, \$1.25@1.30 powder spot.

Ergot—Very cloudy. Russian ergot offers about 90c c. i. f. of doubtful quantity. Spot estimated \$1.00/lb. Little demand from consumers. Nobody appears to know the whys and wherefores of the ergot situation today.

Isinglass—Genuine Russian is firmer spot \$10.00/lb.

Leeches—Spot leeches slightly cheaper \$5.00@6.00 hundred.

Lycopodium—Easier spot \$1.00/lb. boxes although little offered abroad.

Nux Vomica—Powder easy at 10c U.S.P. with most sellers meeting this figure. One factor will do 9c if necessary. Accused of purposely bearing market.

Balsams—Peru is slightly cheaper here at \$2.15/lb. Oregon fir \$1.20 bbls. and \$1.45 gal. in cans.

Barks

Elm—Continued weakness at 23c spot select bundles spot. New crop expected in at about 20c.

Wahoo—Spot bark of root 52c/lb. Country wants 50c shipment.

Flowers

Borage—Easier spot 25c/lb.

Chamomiles—Spot stocks small. Trading at 32c spot cases good Hungarian. Bags 30c. Prices firmer.

Insect—Spot 53c kegs and bbls. pure powder. Some sellers name to 60c. Full whole closed flowers reported higher for shipment by one house.

Saffron—Spanish still scarce and unchanged \$27.00 @ \$28.00/lb.

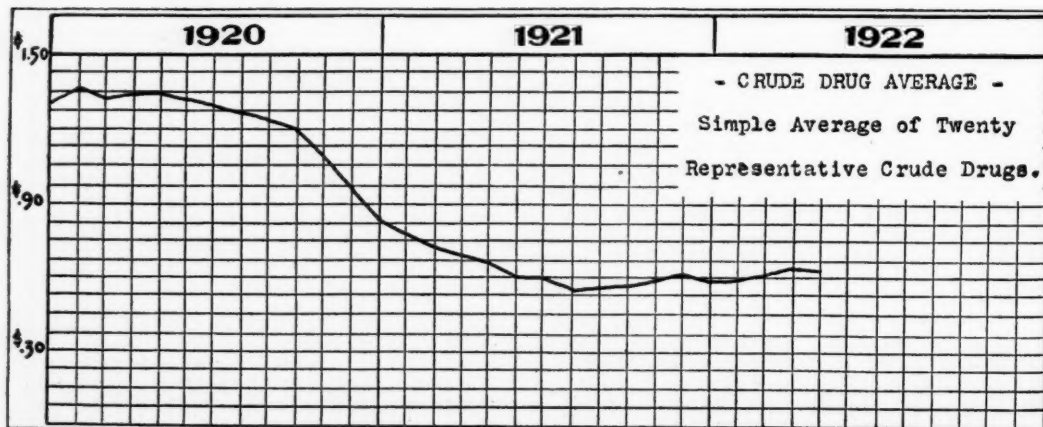
Gums

Ammoniac tears offered spot \$1.50/lb. Gum mastic firmer 45c@50c/lb. Curacao aloes 7c@7 1/2c cases spot.

Leaves and Herbs

Belladonna—Easier here at 10c to 13c/lb. as to test.

Buchu—Last shipment figure about 72c c. i. f. Spot 85c bales unchanged, less bales 88c@90c. Demand dull.



Henbane—The spot holder has placed the price for his remaining small stock at 60c/lb.

Senna—T. V. jobbing moving better 10c@12c. Alex dull 9c siftings, 15c half leaf.

Uva Ursi—Selling freely 6½c/lb. spot.

Roots

Althea—Cut althea spot good quality higher 13c/lb.

Dandelion—Continues soft and easy 7½c@8c/lb. spot.

Ipecac—Rio spot whole unchanged \$1.60, Cartagena \$1.70. Powder \$1.90.

Licorice—Powdered easier 8¾ spot bbls. Natural whole firmer 6½c bales.

Rhubarb—Quiet. Spot whole cases 65c@70c. Powder bbls. 75c.

Sarsaparilla—New lot Mexican 40c spot. Big way 38c.

Seeds, Spices, etc.

Cardamom—Decorticated cheaper 49c@50c/lb. spot.

Celery—Named spot 23c bags. Firmer.

Quince—Cut by one factor to \$1.35/lb. from \$1.60. Others meeting.

Crude Drug Notes

Russian products were scarce in two instances this week, cantharides and genuine isinglass.

A leading crude drug importer brought in 61 bags of Russian ergot via Antwerp last week.

Two holders of Levant wormseed are not supposed to have more than two hundred pounds or so between them.

A three-cent range is noted in belladonna leaf prices, U.S.P. goods quoted at 10c while for material testing 0.5 per cent, 13c is asked.

The sixty bales of sarsaparilla root which came in at New York last week from Vera Cruz and Kingston were sufficient to weaken spot prices.

American Spice Trade Association met May 9, and 10, at the Hotel Pennsylvania, New York. President John Clarke, of Old & Wallace, New York, presided.

With the supply of Russian ergot in Europe a very doubtful quantity, and Spain claiming to be sold out, New York operators apparently do not know exactly where they stand.

The House last week passed an amendment to the act prohibiting the importation and use of opium for other than medicinal purposes. The bill has been sent to the Senate and referred to the Senate Finance Committee.

The seed and spice situations have been summarized briefly by John Clarke & Co., New York brokers, as follows: "Distributive trade is narrow on spot but there is growing up a disposition to consider the tariff chances and to keep stocks fairly full in grinders' hands. There is not nearly as much stuff afloat as there was three months ago, and there is corresponding firmness consequently. It is a steady market with few soft spots and a general though somewhat diffident willingness on the part of users to sit in, if the stakes are not too high. And there is a fair prospect for some active trade between now and July."

PHARMACISTS TO HONOR PROF. ARNY

On Monday, May 15, the New York Branch of the American Pharmaceutical Association will give a dinner at the Hotel Pennsylvania in honor of Professor H. V. Arny, who has received the Remington Honor Medal for distinguished service to American pharmacy.

Dr. F. F. Berg, of E. R. Squibb & Sons read a paper on "The Role of the Pharmaceutical Manufacturer in Pharmacopoeial Revision," at the meeting of the New York Branch, at the College of Pharmacy, 115 W. 68th street, on Monday evening, May 8. Dr. Jacob Diner, Dean of Fordham College of Pharmacy, discussed the "Use and Abuse of Drugs from the Standpoint of the Physician."

MANUFACTURERS FAVOR OPEN SHOP

The National Association of Manufacturers in convention at the Waldorf-Astoria, this week, heard the report of a committee on foreign trade, which predicted less pilferage of goods in transit under the new Hague bill of lading, and urged shippers to use greater care in packing and marking goods. The Committee on Open Shop and the Committee on Industrial Betterment, Health and Safety, approved the open shop principle.

Secretary of Commerce Hoover, presided at the trade association round-table discussion, and Secretary of Labor Davis, spoke on the labor situation. Business revival was discussed on Tuesday.

NEW OFFICERS OF CHEMISTS' CLUB

At the annual meeting of the Chemists' Club, New York, May 3, the following officers were elected for the year 1922-1923: John E. Teeple, president, Kenneth G. MacKenzie, resident vice president, L. V. Redman, non-resident vice president, Herbert G. Sidebottom, secretary, A. G. Robinson, treasurer, and S. R. Church, and David Wesson, trustees for three years. The secretary reported 125 new members elected during the year against losses of 25 by death, 136 by resignation, 54 dropped for non-payment of obligations to the club and 14 suspended for the same cause.

Wholesale druggists of the Southwest met in St. Louis, last week, to discuss recent rulings of the Commissioner of Internal Revenue, and trade matters, including breaking of original packages and a loose leaf catalog for drug sundries. Among those present were Robert R. Ellis, of the Hessig-Ellis Drug Co., Memphis; B. A. Hartz, of Hartz & Bahnsen Co., Rock Island, Ill., and E. S. Albers, of Sanford, Chamberlain & Albers Co., Knoxville.

The report of Liggett's International, Ltd., Inc., (the holding company) for the year ended Dec. 31, 1921, shows income from dividends, less exchange adjustments, of \$1,619,402, which after expense and taxes left net profits of \$1,417,948. The surplus account shows Surplus Jan 1, 1921 \$99,458, over provision Federal taxes 1920 \$18,749 net for year \$1,417,948, less dividends preferred \$1,036,755, common class "A" \$300,000 common class "B" \$120,000, surplus Jan. 1, 1922, \$79,402.

Senator Capper of Kansas has presented a petition in the Upper House from the Manhattan (Kan.) Rotary Club, "praying for the enactment of legislation to control the traffic in narcotic drugs." The petition was referred to the Senate Committee on Finance.

The Essential Oil Market

Current Spot Quotations of Essential Oils and Aromatic Chemicals, Pages 1103-1104

BUSINESS TENDING TO BROADEN OUT

Buying Improves—Oil Cloves Cheaper—Resellers
Shading Methyl Salicylate—Citronella Easier—
—Hemlock Scarce in Country—Lemon Weakens—
Expressed Limes Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Hemlock, 10c lb.	Oil Limes, Express., 25c lb.
Oil Tansy, \$1 lb.	Distilled, 5c lb.
Declined	
Oil Citronella, Ceylon, 1c lb.	Menthol, 40c lb.
Oil Cloves, 5c lb.	Methyl Salicy., Resale, 1c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year
Oil Bergamot	\$4.50	\$4.50	\$4.50	\$3.75
Oil Citronella, Ceylon .....	.53	.54	.54	.32
Oil Cloves	2.00	2.05	2.10	1.30
Oil Lemon .....	.75	.75	.80	.70
Oil Peppermint, Natural	1.75	1.75	1.75	2.40
Oil Sandalwood, E. I.	7.10	7.10	7.25	7.00
Oil Sassafras, Arif. ....	.45	.45	.47	.57
Benzaldehyde, U.S.P.	1.40	1.40	1.40	1.50
Coumarin	3.00	3.00	3.00	4.75
Methyl Salicylate, Cans .....	.35	.35	.35	.35
Vanillin .....	.50	.50	.50	.50
Average	2.09	2.09	2.09	2.28

Oil Anise—Unchanged. Technical cans cases spot 50c@55c lb. U. S. P. 60c lb.

Oil Bergamot—Continues weak and in small demand. Reported shaded. Competition keen. Spot coppers standard goods \$4.50 lb. Imports last week 20 cases Messina.

Oil Cajuput—Firm. Spot native oil 70c@75c lb. U. S. P. 75c@80c.

Oil Cassia—Reported firmer both here and abroad. Shipment higher. Demand spot small. U. S. P. firm \$1.60@1.65 lb. Technical on affidavit at \$1.20 easy.

Oil Cedar Leaf—Prices vary as to source. One house names 72½c@75c lb. spot 50 pound cans. Others

up to 90c inside for cans. Country prices reported firm and high with little stock.

Oil Citronella—Drums held at 53c lb. spot Ceylon. Easier, with better supply and demand quiet. Cans at 54c@56c as to seller and quantity. Bottles spot 65c lb. Java oil 75c lb.

Oil Cloves—Prices have further softened under the pressure of competition and a sagging market for the spice. Spot oil cans lower here at \$2.00 lb. Bottles \$2.10. Demand is dull. An essential oil house is reported to have bought cloves for distillation at 27c.

Oil Eucalyptus—Dull and soft at 37c lb. unchanged spot U. S. P. oil in cases.

Oil Geranium—Bourbon good quality \$5.50@6.00 lb. One lot African spot \$8.50.

Oil Hemlock—Another advance in price brings spot level to \$1.00 lb. inside for 40 pound cans. Little offered in country and spot holdings small.

Oil Lavender—U. S. P. oil flowers from \$3.00 up to \$4.00 lb. spot as to quality and seller. Non-U. S. P. goods down to \$2.00. Spike quiet at 80c@85c lb.

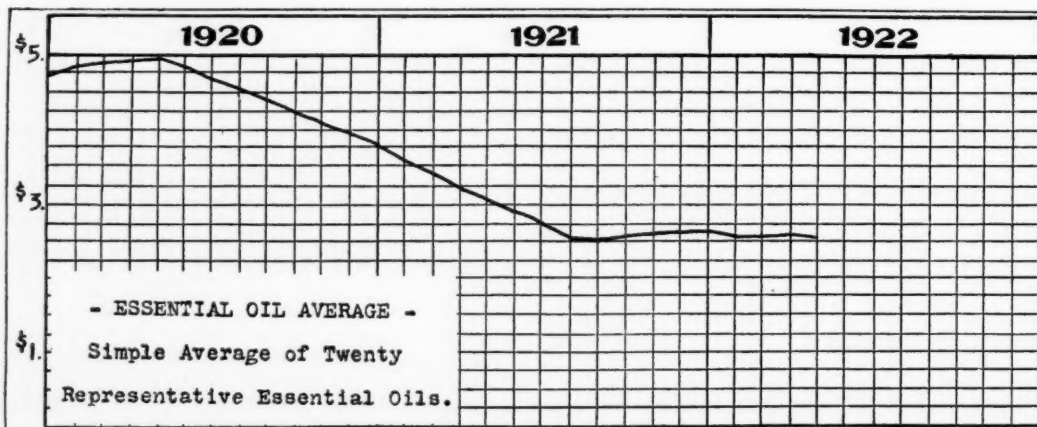
Oil Lemon—Weaker here at 75c lb. cases standard goods. Reports of sales at 72½c in big way could not be confirmed. Prices range up to 90c as to brand. For shipment, best price heard has been 70c c. i. f. which is not attractive in view of present spot market. Imports last week at New York totaled 458 cases from Sicilian ports.

Oil Lemongrass—Firm. Price unchanged spot 95c @ \$1.00 lb.

Oil Limes—Expressed higher here. Inside spot \$2.85 @ \$3.00 lb. Stocks small. Distilled oil firmer 50c@55c lb.

Oil Orange—Position unchanged here. Demand quiet. Spot West Indian \$2.60@2.70 lb. Sicilian oil at \$3.10 lb. inside.

Oil Peppermint—Tendency on part of country to boost prices, some holders naming \$1.85. Spot position unchanged at \$1.75@1.80 lb. natural oil cases. U. S. P. \$1.90@2.00 lb. Some buying spot and slightly



firmer as a result. Country stocks closely held and well controlled.

Oil Sandalwood—Steady at \$7.10@ \$7.25lb. spot U. S. P. East Indian oil cases.

Oil Spearmint—Spot prices boosted to \$3.00lb. inside, but \$2.75 oil reported still available.

Oil Tansy—Holder of one lot tansy oil on spot has moved up price to basis of \$11.00lb.

Oil Wormseed—Weaker, but unchanged in price at \$3.25lb. spot.

Aromatic Chemicals

Coumarin—Steady and quiet at \$3.00lb. from domestic manufacturers.

Eucalyptol—Quotations unchanged spot 80c@85c, position easier.

Menthol—Prices have been cut to a basis of \$5.75@ \$6.00lb. spot cases and less cases.

Methyl Salicylate—Resale lots easier spot at 33c@ 34c single cases and cans. Makers basis 100 pound lots, 50 pound cases, 37c.

Phenylethylalcohol—Unchanged at recent cuts. Named \$5.00 A.1 quality imported. Domestic \$4.00@ \$4.25lb.

Vanillin—Makers 50c ounce. Resale goods still offered spot 48c.

Essential Oil Notes

Shipment of fifty-one cases of Mexican vanilla beans came in at New York last week from Vera Cruz and other ports.

Stock of tansy oil is held by one house on spot. Nothing is available elsewhere, country or city, at any price.

Some holders of oil cedar leaf quote 90c/lb. while others state that 72½c and 75c can still be done. Wide variation in quality is noted.

The annual meeting of the Flavoring Extract Manufacturers' Association will be held at Chalfonte-Haddon Hall, Atlantic City, July 12, 13 and 14.

William G. Ungerer, president of Ungerer & Co., essential oil importers, who was scheduled to sail for Europe about May 15, has postponed his trip a month.

Manufacturers of natural fruit flavor bases found a cheap market early this week in the large stocks of strawberries which accumulated in New York over the week end.

Imports of Messina essences last week included 458 cases of lemon oil and 100 cases of orange oil from Sicilian ports. West Indian shippers sent 21 cases of orange oil to New York during the period.

Expressed oil limes looks like one of those products which after many months of neglect, suddenly shoots upward in price as dealers realize that lack of demand and low prices have discouraged replacement here and production in primary markets.

Foreign soap is coming in at this port in a large way. Last week, about 753 cases of various types arrived here from Hamburg, Genoa, and Naples. The competition which the American soap manufacturers object to is not so much the castile grades from Southern Europe as the cheap household and toilet soaps from Germany.

CITRUS OILS AND THE TARIFF

Editor, DRUG & CHEMICAL MARKETS:

Our own company has been unable to make profits out of lemon by-products with oil of lemon selling for less than \$1.00 per pound. In order to provide an adequate return to the orchardist for his surplus fruit, it is necessary that a by-products factory be able to pay \$10 or more per ton for the fruit. The markets that have been ruling for oil lemon and citrate of lime are equivalent to a value of only \$6.00 per ton of fruit and at this price, the orchardist is hardly justified in hauling his fruit to the plant. While the selling price of oil orange is usually higher than that of oil lemon, still the orange by-products factories need protection to the same extent as the lemon, because the yield of orange oil from ripe surplus fruit is equal to only one-half of the yield per ton of lemons.

With regard to the essential oil of bitter almonds which is manufactured in California from apricot kernels as well as from bitter almond meats, the proposed duty is very welcome, as this industry has been suffering under the impact of competition with the imported oil. It is a curious thing to note that three years ago practically all the apricot kernels produced in California were processed in California while during the last year more than two-thirds of the kernels have gone to Europe and less than one-third have been processed at home. Yet it is the oils from the Californian kernels that this country has, to a large extent, been importing from Europe.

W. A. Bush, Gen'l. Mgr.,
W. J. Bush Citrus Products Co., Inc.
National City, Cal.

Editor, DRUG & CHEMICAL MARKETS:

The existing tariff on lemon and orange oils is now 10 per cent ad valorem and the proposed schedule raises this to 30 per cent, which measure of protection is absolutely needed by any American manufacturer to enable him to compete with foreign competition. As you are no doubt aware, a very large proportion of the essential oils of both orange and lemon have in the past been imported, for the very reason that it was impossible to pay the American wage and make the product on a competitive basis.

We are now preparing to produce oil of orange on a very large scale and can do so if we get this protection. Our sister organization, The Exchange Lemon Products Company at Corona, Cal., who operate exclusively on lemons, can become and are ready to become very large producers of oil of lemon. We are therefore very much in favor of the proposed new schedule.

E. T. Cassel, President,
Exchange Orange Products Co.
San Dimas, Cal.

The Board of United States General Appraisers has handed down reappraisal rulings fixing the correct import value for customs purposes on the following goods: Perfumery, from W. T. Silvers, Guerlain, Houbigant & Piver and Djer Kiss, mfrs., Paris, France; perfumery, from Societe Guerlain, Paris, France; perfumery, from Roger & Gallet, Paris, France; perfumery materials, from M. Naef & Co., Geneva, Switzerland.

The weekly meeting of the Chicago Perfumery, Soap and Extract Association, on May 3, was followed by contests between bowling teams in the association. Walter L. Filmer, secretary, is keeping up the interest of members by offering new attractions at every meeting.

The Consuming Industries

IMPORTANT CHEMICAL AND DRUG CONVENTIONS TO BE HELD IN JUNE

Insecticide and Disinfectant Makers, National Fertilizer Association, American Pharmaceutical Association, and American Drug Manufacturers Schedule Their Annual Meetings—Chemical Engineers and Leather Chemists Meet on the Great Lakes

Among the June conventions of interest to chemical and drug manufacturers and dealers are those of the American Drug Manufacturers' Association, at the Hotel Biltmore, New York, June 5 to 8; the National Association of Credit Men, Indianapolis, Ind., June 6 and 7 where a report on conditions in the drug trade will be presented; Insecticide and Disinfectant Manufacturers' Association, Chicago, June 12 to 13; National Fertilizer Association, White Sulphur Springs, W. Va., June 12 to 16; American Pharmaceutical Manufacturers' Association, Bedford Springs, Pa., June 12 to 17; American Institute of Chemical Engineers, Niagara Falls, N. Y., June 19 to 22; and the American Leather Chemists, at Bigwin Inn, Bigwin Island, Lake of Bays, Ontario, Canada, June 21 to 23, inclusive. The dates of conventions follow, with names and addresses of secretaries of the associations:

Delaware State Pharmaceutical Ass'n., Wilmington, June 3. R. H. Newson, 1901 Delaware ave., Wilmington.

Rhode Island State Medical Society, Providence, R. I., June 3. J. W. Leech, 111 Broad st., Providence.

Nat'l Ass'n. of Leather Glove Mfrs., Gloversville, N. Y., June 6-7. D. P. Osborn, 2301 Wabansia ave., Chicago.

Michigan State Medical Society, Flint, Mich., June 7-8. Dr. F. C. Warnshius, Powers Theatre Bldg., Grand Rapids.

National Fertilizer Ass'n., White Sulphur Springs, W. Va., June 12-16. John D. Toll, 1010 Arch st., Philadelphia.

American Pharmaceutical Mfrs. Ass'n., Bedford Springs, Pa., June 12-16. R. R. Patch, care of E. L. Patch & Co., Boston.

Massachusetts Medical Society, Boston, June 13-14. Dr. W. L. Burrage, 43 Elliott st., Jamaica Plain, Boston.

Missouri Pharmaceutical Ass'n., Excelsior Springs, Mo., June 13-16. Dr. H. M. Whelpley, 2342 Albion Place, St. Louis.

Florida State Pharmaceutical Ass'n., St. Petersburg, June 14-15. J. H. Houghton, Polatka, Fla.

Mississippi State Pharmaceutical Ass'n., Biloxi, Miss., June 15. A. S. Coody, Box 18, Jackson.

American Institute of Homeopathy, Chicago, June 18-23. Dr. T. E. Costain, 829 Marshall Field Bldg., Chicago.

Pennsylvania State Pharmaceutical Ass'n., Buena Vista Springs, Pa., June 20-21. L. Saalback, 5630 Wellesley ave., E. S., Pittsburgh.

Virginia State Pharmaceutical Ass'n., Natural Bridge, Va., June 20-22. A. L. I. Winnie, 8 Capitol Bldg., Richmond, Va.

New York State Pharmaceutical Ass'n., Richfield Springs, N. Y., June 20-23. E. S. Dawson, 125 S. Salina st., Syracuse, N. Y.

Kentucky Pharmaceutical Ass'n., Crab Orchard Springs, Ky., June 20-23. J. W. Gayle, Frankfort, Ky.

Wisconsin State Pharmaceutical Ass'n., Green Lake, Wis., June 20-23. E. C. Raeuber, 49 Biddle st., Milwaukee.

Medical Society of New Jersey, Spring Lake, N. J., June 21-23. Dr. Wm. J. Chandler, South Orange, N. J.

American Seed Trade Ass'n., Chicago, June 21-23. C. E. Kendel, 101 High ave., Cleveland, O.

National Ornamental Glass Mfrs. Ass'n., Cincinnati, O., June 26-27. C. C. Jacoby, 2700 St. Vincent ave., St. Louis, Mo.

Illinois State Pharmaceutical Ass'n., Springfield, Ill., June 27-29. W. B. Day, 701 S. Wood st., Chicago.

Maine State Dental Society, Augusta, Me., June 27-29. Dr. B. C. Graffam, 655 Congress st., Portland, Me.

N. Carolina State Pharmaceutical Ass'n., Winston-Salem, N. C., June 27-29. J. G. Beard, Chapel Hill, N. C.

Alabama State Pharmaceutical Ass'n., Gadsden, Ala., June —. W. E. Bingham, 7th st., Tuscaloosa, Ala.

Indiana State Pharmaceutical Ass'n., Culver, Ind., June —. W. A. Oren, 1911 W. Washington st., Indianapolis.

Maine State Medical Ass'n., Portland, June —. Dr. B. L. Bryant, 265 Hammond st., Bangor, Me.

Nebraska State Pharmaceutical Ass'n., Fremont, Neb., June —. J. G. McBride, 223 W. 20th st., University Place, Neb.

Allied Wall Paper Industry, New York, June —. H. A. Gould, 132 W. 42nd st., New York.

Nat'l Ass'n. of Chewing Gum Mfrs., New York, June —. M. D. Bowling, 19 W. 44th st., New York.

The Carolinas & Georgia Laundry Owners Ass'n., Asheville, N. C., June —. C. B. Ross, Model Steam Laundry, Charlotte, N. C.

American Ass'n. of Cereal Chemists, Kansas City, June —. F. J. Dillon, Postal Bldg., Kansas City, Mo.

Missouri Laundry Owners Ass'n., St. Louis, June —. R. C. Nicholson, 301 Statler Hotel, St. Louis.

Wyoming State Medical Society, Sheridan, Wyo., June —. Dr. Earl Whedon, Sheridan.

Texas State Pharmaceutical Ass'n., Ft. Worth, June —. W. H. Cousins, 1315 Young st., Dallas, Tex.

New Consuming Companies

Folk Textile Printing and Dyeing Corp., East Orange, N. J., capital \$250,000. Amelia B. Davis, East Orange; Charles G. Oliver, Joseph Lagreca, New York.

Flexite No Air Tire Co., Wilmington, Del., capital \$500,000. To manufacture rubber tires. Incorporated by Corporation Trust Co. of America.

Lingert Roll Label & Gum Tape Co., New York, capital \$25,000. M. A. Duley, H. Edwards. Attorney, B. L. Brandner, 15 William st.

Hoffman's Barber Shops, New York, capital \$100,080. A. and S. Hoffman. Attorney, F. Dean, 44 Court st., Brooklyn.

Colonial Dames Hosiery Mills, Dover, Del., capital \$1,000,000. Nathan Schwartz, Irving C. Steinberg, Newark, N. J.; E. C. Root, New York. Incorporated by Colonial Charter Co.

Purity Bottling Corp., Dover, Del., capital \$10,000. Geo. L. Shefts, John J. Falvey, Jerry C. Falvey, Washington. Incorporated by Corporation Service Co.

Baker Chocolate Corp., New York, capital \$50,000. J. A. Rosenblatt, M. Resnikoff, H. Baker. Attorney, A. Henig, 82 Duane st.

Naugatuck Tire and Rubber Co., Wilmington, Del., capital \$1,500,000. Incorporated by Corporation Service Co.

Chassis Lubricating Corp., Dover, Del., capital \$1,200,000. Harry H. Pickling, South Orange, N. J.; Chas. O. Greyer, E. Orange; Stanley L. Gedney, Jr., Maplewood.

Doyle & Horn Co., Elizabeth, N. J., capital \$10,000. Drug stores. Wm. H. Doyle, Westfield; Numan L. Horn, Newark; M. B. Gluck, New York.

American Musifer Co., Dover, Del., capital \$3,000,000. To manufacture phonographs and records. Charles J. Kleber, New York. Incorporated by Colonial Charter Co.

El-Kotay Products Co., Wilmington, Del., capital \$100,000. Drinks. Incorporated by Colonial Charter Co.

B. & C. Soda Water, Brooklyn, capital \$10,000. H. Cohen, B. Borowikow, M. Schusselm. Attorney, C. Halpern, 261 Broadway, New York.

Thomas Sealy, New York, capital \$400,000. Paints and chemicals. T. Sealy, L. M. Vandolen, W. J. Doyle. Attorneys, Pallister, Greene & O'Connell, Woolworth Building.

Associated Fertilizer Manufacturers, Trenton, N. J., capital \$250,000. Raymond Hutchinson, William G. Hopper, Kenneth N. Lanning, Trenton.

Century Machinery Corp., Wilmington, Del., capital \$5,000,000. To manufacture articles of rubber. Incorporated by Colonial Charter Co., Wilmington.

Bel-Hot-Sen Mfg. Co., Buffalo, N. Y., capital \$20,000. Chemists and druggists. L. J. Belzer, S. D. Hotaling. Attorney, G. J. Shields, Buffalo.

Strauss Storage Battery Co., New York, capital \$25,000. J. Strauss, P. Schubert, T. McLaughlin. Attorney, L. M. Wolf, 110 W. 40th st.

Linn Products Co., 125 Jefferson st., Chicago, capital \$35,000, and 600 shares of stock of no par value. To manufacture washing powders, soaps, dyestuffs. Leon Hamburger, Robert White, Perrin C. Miller.

Laverda Powder Co., Albany, N. Y., capital \$10,000. To make insect destroyers. P. Laverda, M. Martell, S. Lombardo. Attorney, A. De Stefano, Albany.

Arrow Tire Sales Corp., Wilmington, Del., capital \$100,000. To manufacture and deal in tires. Incorporated by Corporation Trust Co. of America, Wilmington.

Akers Market Square Pharmacy, Albany, N. Y., capital \$10,000.
S. L. and A. Akers. Attorney, M. M. Medwin, Albany.
Monkey Grip Rubber Co., Wilmington, Del., capital \$13,500,000.
Incorporated by Corporation Trust Co. of America.
California Woolen Mills, Wilmington, Del., capital \$425,000.
Incorporated by Corporation Trust Co. of America.
Myerstown Hosiery Co., Philadelphia, capital \$250,000. Incorporated at Dover, Del., by Corporation Guarantee and Trust Co.
Hanford Laundry and Dry Cleaning Co., Hanford, Cal., capital \$150,000.
Eno Rubber Co., Los Angeles, Cal., capital \$100,000.
Security Drug Co., Inc., Alameda, Cal., capital \$250,000.
Medical Center Co., Cleveland, O., capital \$100,000.
Wellsburg Paper Co., Wellsburg, W. Va., capital \$500,000. To manufacture pulp and paper. George T. H. Hammond, Thomas George and Allen Burt, Wellsburg.
Poucher, Trabold & Sidney, Inc., New York, capital \$225,000. To manufacture leather products. R. I. Poucher, P. Sidney, F. W. Trabold. Attorneys, Churchill, Marlow & Hines, 63 Wall st.
Chemung Cold Storage Co., Inc., Elmira, N. Y., capital \$100,000.
A. G. Hoefler, 296 Connecticut st., Buffalo, N. Y.
Acme Pottery Works, Inc., 137 East State st., Trenton, N. J., capital \$100,000.
M. & B. Research Laboratories, Kinney Building, Newark, N. J., capital \$100,000.
National Ink Works, Inc., 428 Market st., Camden, N. J., capital \$100,000.
Riley-Ford Co., Inc., Brooklyn, N. Y., capital \$200,000. To manufacture drugs, alcohol and chemicals. C. Riley, 369 Allaire ave., Leonia, N. J.
Fort Griswold Paper Co., Montville, Conn., capital \$100,000.
Frank M. Needham & Co., Inc., 1317 S. Oakley ave., Chicago, capital \$50,000. To make veterinary proprietary remedies. Frank M. Needham, H. O. Saal, John M. Cameron.
Frank P. Miller, Camden, N. J., capital \$1,500,000. Paper and pulp mills. Incorporated by Corporation Guarantee and Trust Co.
Cellufibre Corp., Dover, Del., capital \$4,100,000. To make celluloid. Robert A. MacLean, James L. Watson, New York; F. H. Butchorn, Brooklyn. Incorporated by Corporation Trust Co. of America.
American International Silk Corp., New York, capital \$500,000. Incorporated by Registrar and Transfer Co.
The Skowhegan Paper Co., Bangor, Me., capital \$400,000.
Johnson Products Co., Inc., 138 Paris st., Newark, capital \$500,000. To manufacture celluloid.
Crystal Sanitary Laundry, 580 West Front st., Plainfield, N. J., capital \$125,000.
Synthetic Products Co., Wilmington, Del., capital \$500,000. To manufacture artificial leather and waterproof paper.
American Silk Hosiery Corp., Wilmington, Del., capital \$200,000. To make hosiery and underwear.

LEATHER TO BE HIGHER, SAY TANNERS (Special to DRUG & CHEMICAL MARKETS)

Boston, May 10.—The National Council of Tanners of the United States, in session here May 4 and 5, was told by President Harry I. Thayer that prices of leather must go higher unless labor costs come down. He said prices were again tending higher, and that the Council was opposed to a duty on hides in the pending tariff bill. Frank R. Briggs, president of the Thomas G. Plant Co., said business would not materially improve until labor was willing to help in the readjustment by accepting some reduction in wages. He declared that expansion of business abroad must be subservient to meeting a normal, steady home demand.

William Smith, instructor in spinning at the New Bedford Textile School, will be elected principal of the school at the trustees meeting, this week. The resignation of William E. Hatch, the present principal of the school and president of the board of trustees, will take effect at the close of this year's school term, Mr. Hatch being automatically retired by the State law requiring the compulsory pensioning of all State employees when they reach a certain age limit.

The National Association of Printing Ink Makers is in session at the Hotel Commodore, New York, and will close its convention Thursday, May 11. Albert J. Ford, of Fuchs and Lang Mfg. Co., is president, and David H. Sloane, 15 E. 40th st., is secretary.

Trade Tips for Sellers

T. M. Breazeale, Lenoir City, Tenn., will build plant for canning tomatoes, beans, and pumpkins, with daily output of 22,000 cans.

American buyers at the wool auction at Adelaide, South Australia, on May 4, took the bulk of the 22,000 bales offered, at firm prices.

The North Shore Sanitary District, Lake Forest, Ill., has plans under way for the construction of a new purification plant on Gillette Ave., Highland Park, to cost about \$125,000, including equipment.

At the London wool sales on May 5, merinos and crossbreds sold at 5 per cent above the market price at the opening, and frequently exceeded 5 per cent on competitive bidding by American buyers.

Nine large factories in Rochester, N. Y., making women's shoes, closed on May 1, owing to employers being unable to adjust wage differences with the workers. The unions demand 25 per cent increase in wages.

The Green Glass Bottle Blowers' Association in session at Atlantic City, last week, discussed the inroads which machinery has made upon the ranks of operatives. Conferences were held with the National Bottle Manufacturers' Association, and adjournment taken until August, when the yearly wage agreement will be signed.

The management of the cotton mills of the Selma Manufacturing Co., Selma, Ala., announces that the mills will be closed for several months, perhaps through the summer, on account of a recent accident which caused damage amounting to approximately \$10,000 to the main engine of the plant. The closing of the plant will throw 500 out of employment.

Members of the Connecticut Valley Section of the American Chemical Society met in South Manchester, May 6 and after an interesting industrial trip through the Cheney Bros.' silk mill enjoyed lunch in the company's dining hall. The meeting was addressed by Williams Haynes, publisher of DRUG & CHEMICAL MARKETS, who spoke on "Chemicals as the Goods of Commerce."

Canadian paper mills are reported to be working at 90 per cent of normal capacity, and the Laurentide, Wayagamack, Spanish River and Abitibi mills are producing at full capacity. The fact that the Spanish River mills have been running at full capacity for some time is attributed to the market in the Central States being less affected by overseas shipments than the seaboard markets.

Construction work on the first of a number of hydroelectric plants to be built and operated by the International Paper Co., is well under way. The general plans of the Company are such that several paper mills owned by the company in the United States will be eliminated, more paper mills will be operated in Canada and the company will devote a portion of its energies to the production of power for public sale. Allen Curtis, who has been in charge of the manufacturing end of the International Paper Co., has been elected a vice president. He will continue to supervise manufacturing.

The Foreign Markets

Imports of Drugs, Chemicals, Dyestuffs, etc., Page 1105

BROMIDES FIRMER IN LONDON

Anise Oil Higher—Easier Market for Oil Bergamot, Citronella, Cocoa Butter, Cod Liver Oil, Cubebs and Menthol—Prices Lower for Caffeine and Saltpetre

(Special Cable to DRUG & CHEMICAL MARKETS)

London, May 10.—Few price changes have taken place this week. Higher quotations are announced on lead products and star anise oil. Firmer prices are noted on the bromides, citric acid, farina, linseed oil, and tartaric acid.

The market is easier for oil bergamot, citronella, cocoa butter, cod liver oil, cubebs and menthol.

Caffeine and saltpetre have been reduced.

London, May 1 (By Mail)—Agar agar is very scarce on spot, and price higher. For Kobe No. 1, 4s 1½d per pound is asked, for No. 2, 3s 10d, and for No. 3, 3s 4d per pound. Ammonium carbonate has been advanced 1d per pound by the makers, who now quote lump, in casks of 2 to 5 cwt. or in 2 cwt. tin lined cases, at 5d per pound in 1 cwt. kegs or tin lined cases 5¼d per pound, carriage paid, less 20 per cent. Powdered ¼d per pound more. Balsam tolu is firmer at 3s per pound, being still scarce. Japanese refined camphor is rather easier, 2½ pound slabs being offered at 3s 6d to 3s 7d per pound on spot.

Cocaine is again higher, at 13s 6d per ounce for hydrochloride and 15s 9d for alkaloid, in 100 ounce lots, ex warehouse London. Farina is dearer, Dutch on spot 31s per cwt., and Japanese No. 1 for April-June shipment, 32s per cwt. c. i. f. Lime juice is firmer, good pale raw West India now selling at 3s per gallon.

Linseed oil is in good demand and price has advanced, the London market closing at 43s per cwt. for raw, naked.

Methylated spirit has been reduced 1s per gallon all around, the lowest prices for 100 gals. in one delivery are: Industrial 61 o. p. 2s 11d, 64 o. p. 3s per gallon; mineralized 61 o. p. 3s 10d, 64 o. p. 3s 11d per gallon.

Paraldehyde is easier, at about 1s 4d per pound for cases.

Shellac is lower, standard T. N. orange being 385s per cwt. on spot, while for May arrival 370s per cwt. has been taken.

Sulphonol is very slack, and lower, at 15s per pound.

Very few American manufacturers were represented at the Vienna International Fair, according to Trade Commissioner Ford Upson. The Germans, Mr. Upson says, were by all accounts the most successful exhibitors, the fall of the mark enabling them to underbid all competitors. They were showing shoes, leather, perfumery, patent toilet articles, washing powder, metal goods, tooth paste, drugs, dyes and coloring matter, pencils, and soaps. In the technical fair in the rotunda, the Germans took the bulk of the orders, underbidding the Austrians from 20 to 50 per cent, the commissioner says.

Western Greece, with 2,000,000 population, imports \$1,000,000 worth of drugs annually.

FOREIGN EXCHANGE		Par	Current
Great Britain (pound sterling)	.....	\$4.886	\$4.434
France (franc)	.....	.193	.090
Italy (lira)	.....	.193	.052
Germany (mark) per hundred	.....	23.80	340
Czechoslovakia (crown) per hundred	.....	20.30	1.922
Poland (mark) per hundred	.....	23.80	.025
Austria (crown) per hundred	.....	20.30	.012
Japan (yen)	.....	.499	.473
Spain (peseta)	.....	.193	.155
Holland (guilder)	.....	.402	.384
Belgium (franc)	.....	.198	.082
Norway (crown)	.....	.268	.187
Switzerland (franc)	.....	.193	.193
Sweden (crown)	.....	.268	.253
Denmark (crown)	.....	.268	.212
Argentina (peso)	.....	.424	.363
Brazil (milreis)	.....	.279	.140
China (Silver dollar—Hongkong)	.....	.789	.568
(Tael—Shanghai, silver)	.....	1.082	.777
(Tael—Peking, silver)	.....	1.156	.825
Russia—(100 rubles)	.....	51.50	.100

CANADIAN PAPER TRADE IMPROVES

The pulp and paper mills of Canada have reduced fairly rapidly the large supplies of high-cost wood on hand, and the situation is steadily improving with the stabilized price of newsprint and lowering costs, says Vice Consul Cochran in a report to the Department of Commerce, Washington. The forced reduction to \$70 per ton f. o. b. mill for newsprint at the opening of the present year left little margin for profit and competition has been keen. Certain "bear" interests maintain that the lack of confidence in the industry that was caused by the mistakes made during the boom period cannot be dissipated until further evidence is forthcoming that readjustment is complete and that the situation is righting itself.

The Canadian Pulp and Paper Association in a recent report expressed optimism in the immediate future. It repeated advices that some American consumers now using overseas paper at a cost little below the Canadian-American contract prices are expressing renewed dissatisfaction with the quality of the paper and other handicaps incidental to buying in a market so far removed from the consumer. The report stated that the demand for Canadian paper by United States users shows a steady return to normal, that visiting buyers and inquiries are increasing, and that a growing demand in the United States should result from the gains in advertising and newspaper circulation.

VEGETABLE OIL PRICES IN FRANCE

(Special Correspondence to DRUG & CHEMICAL MARKETS)
Marseilles, May 1.—The vegetable oil market is quiet. Edible oils are in small demand. Oils for manufacturing purposes remain unchanged. Quotations on 100 kilo lots are:

Edible Oils		Francs
Peanut	.....	255 a 270
Sesame	.....	245 a 260
Oils for Manufacturing Purposes		
Peanut	.....	235 a 240
Copra	.....	180 a 182
Palm	.....	179 a 180
Linseed	.....	nominal

German chemical exports declined from 255,000 tons in February to 195,900 in March, according to April statement of the Reichsbank's statement.

HEAVY CHEMICAL PRICES AT MARSEILLES

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, May 1.—Business in heavy chemicals is very much restricted but prices are firm. Quotations on 100 kilos lots are:

	Francs
Hydrochloric acid 20 degree	20
Hydrochloric acid 20 degree	20
Nitric acid 36 degree	105
Nitric acid 40 degree	115
Sulfuric acid 60 degree	20
Sulfuric acid 50 degree	17
Chloride of lime	66
Calcium chloride	44
Soda, hydrated	28
Potassium chlorate	305
Caustic soda	110
Soda ash	45
Ammonium sulfate	105
Caustic lye	110
Sodium silicate	39
Magnesium chloride	12
Potassium chloride	65
Sodium nitrate	78
Magnesium sulfate	39
Copper sulfate 98%	140
Iron sulfate 95%	17

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

1351—A merchant in Spain wishes to purchase all kinds of paints and requests that samples and prices be forwarded. Quotations are requested c.i.f. Spanish port. Correspondence should be in Spanish. References.

1352—The representative of a firm in Norway is in the United States and desires to secure an agency for the sale of oleo stock, oleo oil, neutral lard, and cottonseed oil. Quotations should be made through banks in New York and Christiania. Reference.

1362—The purchase is desired by a company in South Africa of 125 tons monthly for six months of carbonate of soda. Quotations should be given c.i.f. Durban or Port Elizabeth.

1364—A wholesale druggist supplies dealer in Spain wishes to purchase automatic scales for use in pharmacies. Quotations are requested c.i.f. Spanish port. Correspondence should be in Spanish. References.

1365—A mercantile firm in Greece desires to purchase and also secure an agency for chemists' supplies and perfumery, face powders and creams, and pharmaceutical supplies of all kinds. Quotations should be given c.i.f. Greek port. Correspondence desired in French or Greek. References.

1369—Chemical dealers in England desire to secure an agency for the sale of low grades of bichromate of soda, bichromate of potash, prussiate of soda, prussiate of potash, and oxalic acid. Quotations should be given c.i.f. Liverpool or London. Reference.

1386—A request has been received from a firm in South Africa desiring to purchase caustic soda, 99 per cent (NaHO), including flake, powdered and pellets. Quotations should be given c.i.f. Durban and Port Elizabeth.

1393—A mercantile firm in England desires to secure an agency on a commission basis for the sale of bottles, jars, and general glassware for packing purposes, suitable for pharmaceutical and perfumery trades; tin foil, lead foil, silver paper, and collapsible tubes with screw tops (plain and printed), suitable for dentifrice, face creams, etc. Quotations should be given c.i.f. British port. Reference.

1401—Firms in Sweden desire to purchase or secure agencies for the sale of chemicals, and specialties in the paint trade. Quotations should be given c.i.f. Swedish port. References.

1533—There is a market in Italy for industrial chemicals, pharmaceutical products, fats, oils, paraffin, etc. Quotations should be given c.i.f. Italian port. References.

1574—A merchant in Switzerland desires to secure an agency and eventually a consignment of goods for the sale of fats, caustic soda, and other supplies for soap manufacturing and for dyeing plants; raw materials for chemical works, such as sulfates; all in quantities from 10 tons upward. Quotations should be given c.i.f. Antwerp. References.

SOAP HIGHER THAN BUTTER IN LONDON

British soap exports for January and February, 1922, amounted to 180,865 cwt. including household and laundry. In the corresponding months of 1920 the exports were 94,987 cwt., according to Trade Commissioner Alexander V. Dye, London, who adds:

"The price of soap in the United Kingdom is still very high and will probably continue so until the stocks in the hands of manufacturers, wholesalers, and retailers, which were produced at high prices, are worked off. The retail price of a pound of good soap in the United Kingdom today is higher than the retail price of a pound of good butter. The expectation of a fall in the price of soap is limiting consumption to some extent.

"The production of soap in the United Kingdom is now largely in the hands of one concern, which it is believed controls the policies with regard to the purchase of raw materials of perhaps 90 per cent of the soap manufactured in this country. This concern also has its own sources of supplies for vegetable oils, and there is a greater tendency to use cheaper residues from this vegetable oil in the manufacture of soap instead of rosin."

PALM OIL AND GLYCERIN PRICES

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, May 1.—The market for tolu oil and glycerin is quiet and prices are weak. Quotations on 100 kilo lots are:

	Francs
Palm Oil, Lagos	175
Palm Oil, Congo	170
Palm Oil, Congo, refined	170
Palm Oil, Grand Bassam	145 a 155
Glycerin, from lye 40%	70 a 80
Glycerin, from lye 80%	210
Glycerin, saponification	270
Olein, distillation	220
Olein, bleached	225
Olein, saponification	230
Stearin, saponification	350
Stearin distillation	330
Stearin foreign	400

FOREIGN TRADE ON A CASH BASIS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Philadelphia, May 10.—The National Foreign Trade Convention opened today with several hundred delegates present from interior industrial centers and the manufacturing cities of the East. Charles M. Muchnic, vice president of the American Locomotive Sales Corporation, who has just returned from an extensive trip over Continental Europe, made the first address, following the remarks of Elbert H. Gary, and devoted his remarks to the demand for capital to hasten industrial revival in the war-ridden countries.

On Thursday, F. de St. Phalle, vice president of the Baldwin Locomotive Works, will speak on German competition in South America, which he holds is not dangerous. On Friday, M. H. Hopkins, president of the company making Tanglefoot Fly Paper, will explain how his company changed its foreign accounts from open credits to letters of credit, confirmed by bankers, against which the company could draw, attaching bills of lading, insurance certificates and invoices covering shipments. The convention will close on Friday, following the group meetings for the discussion of financial and shipping problems, and the tariff.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

EXPLANATION

Prices current quoted herein are spot New York, unless otherwise indicated, for goods in large quantities in original packages of the customary trading unit of weight or measure. Re-sale prices are quoted when second-hands are a factor in the market.

The price range (two sets of figures, e. g., .16-.19) indicates either prices for different quantity orders, or else that different manufacturers or importers quote different prices. All price ranges are inclusive.

All quotations are made on the basis of avoirdupois pounds and ounces or American gallons. For the ready reference of exporters and foreign buyers the following tables of equivalents are published:

WEIGHTS AND MEASURES

1 Imperial Gallon (Brit.)—1.36 Amer. Gallons
1 American Gallon—8.33 Imperial Gallon
1 American Gallon—3.79 liters
1 Liter—.264 American Gallon
1 American Gallon (H ₂ O) weighs 8.35 pounds*
1 Pound (Avoirdupois) weighs 4.54 Kilogram
1 Kilogram weighs 2.20 pounds (Avoirdupois)

Acids

Acetic, See Heavy Chemicals	
Acetyl-salicylic, 200 lb. bbls.lb.	.76 — .80
Benzoic, U.S.P., 100 lb. bbls.lb.	.55 — .75
Boric cryst., 250 lb. bbls....lb.	.11½ — .12½
Powdered, bbls. ....lb.	.11½ — .12½
Butyric Tech., 98 p.c. chys....lb.	.11½ — .12½
Camphoric, U.S.P. ....lb.	4.65 — 4.75
Carbolic cryst., U.S.P. 1-lb. bottle ....lb.	— — .27
5-lb. bottle ....lb.	— — .23
50 to 110-lb. tin ....lb.	.18 — .19
Liquid, U.S.P., 1 lb. bot....lb.	— — .26
Crude, 25 p.c. ....gal.	.30 — .35
Chromic, 98 p.c., drums....lb.	.40 — .45
Chrysophanic, bxs. ....lb.	1.70 — 1.90
Cinnamic, See Aromatic Chemicals	
Citric, crystals, bbls....lb.	.45 — .45½
Powdered ....lb.	.46 — .46½
Imported, 112 lb. kegs....lb.	.45 — .46
Cresylic, 95-100 p.c., See Coal-Tar Crudes	
Formic 75 p.c., tech., bbls....lb.	.16 — .18
Gallie, U.S.P., bbls. ....lb.	.70 — .75
Glycerophosphoric, 25 p.c....lb.	1.65 — 1.70
Hydrobromic, 40 p.c., chys....lb.	— — .40
Hydrochloric, C.P., carboys....lb.	.07 — .09
Hydroiodic, 45 p.c., botts....lb.	2.25 — 2.35
Hydrofluoric, see Heavy Chemicals	
Hydrophosphoric, 50 p.c....lb.	1.55 — 1.70
U.S.P., 10 p.c., chys....lb.	— — .37
Lactic, U.S.P., VIII, chys. lb.	— — .55
U.S.P., IX ....lb.	— — .65
Malic, bbls. ....lb.	.42 — .44
Molybdic, C.P., kegs. ....lb.	— — 3.00
Muriatic, see Heavy Chemicals	
Nitric, C.P., chys. ....lb.	.09 — .10
Oxalic, See Heavy Chemicals	
Picric, kegs, see Intermediates	
Phosphoric, 85-88 p.c., syr. U.S.Pib.	.14 — .19
50 p.c., tech., chys....lb.	.08 — .09
Pyrogallie, resubl. bott....lb.	— — 1.60
Crystals, bottles ....lb.	— — 1.20
Salicylic, U.S.P., less 1000 lbs.lb.	— — .26
Second Hands ....lb.	.23 — .24
Sulfuric, C.P., chys....lb.	.07 — .07
Sulfurous (6-7 p.c.) chys....lb.	— — .05
Tannic, U.S.P., 25 lb. bbls....lb.	.65 — .70
Tartaric, Crystals, bbls....lb.	— — .30
Powdered, U.S.P. ....lb.	— — .30
Imported, U.S.P. ....lb.	.27 — .27½
Powdered ....lb.	.27 — .28
Acetanilid, U.S.P., 200 lb. bbls.lb.	.31 — .33
Acetone, 700 lb. drums....lb.	.08 — .11

Fine Chemicals

Acetphenetidin, 100 lbs....lb.	— — 1.85
Aconitine, Alk., Cryst., 1 oz.oz.	15.00 — 16.00
Amorphous, 1 oz. ....oz.	15.00 — 16.00
Adeps Lanae, Hydrous, bbls....lb.	.10 — .14
Anhydrous ....lb.	.14 — .16
Alcohol, U.S.P., 190 deg.	
50 gal. bbls. ....gal.	— — 4.75
Cologne Spirit, ....gal.	— — 4.80
Second Hands, bbls....gal.	4.60 — 4.65
For Export, U.S.P....gal.	.32 — .40
Wood, 95 p.c., bbls., drums.gal.	.55 — .56
97 p.c. ....gal.	.57 — .58
Pure, (Methanol) bbls.gal.	.70 — .72
Acetone free ....gal.	.75 — .78
Second Hands, 95-97 p.c.gal.	.52 — .53
Detnaturated, 5 & 6, bbls., Drngal.	.25 — .35
Butyl, Drums ....lb.	.20 — .22
Iso-propyl, crude, bbls. ....gal.	— — 2.25
Refined, 50gal.bbls.,drumsgal.	4.00 — 4.50
Alolin, U.S.P., powd....lb.	.85 — .87
Amidopyrine, 10-50 lbs....lb.	4.00 — 4.50
Ammonium, Acetate, cryst....lb.	.35 — .38
Benzate, cryst., U.S.P....lb.	.85 — .90
Bichromate, C. P. ....lb.	.65 — .70
Bromide, gran., 50 lb. bx....lb.	— — .29
Imported ....lb.	.16 — .18
Carbonate, U.S.P., kegs....lb.	.11 — .12
Chloride, U.S.P., bbls....lb.	.17 — .18
Citrate ....lb.	1.00 — 1.05
Hypophosphite ....lb.	1.35 — 1.40
Ichthyolate (as to brand)....lb.	.75 — 3.00
Iodide, bxs. ....lb.	4.85 — 4.90
Nitrate, C. P., bbls....lb.	— — .40
Oxalate, Pure ....lb.	.45 — .48
Phosphate (Dibasic) ....lb.	.38 — .40
Monobasic ....lb.	.17 — .18
Salicylate, U.S.P. ....lb.	.53 — .55
Water, Ammonia, (See Heavy Chemicals)	
Amyl Acetate, bulk, drums.gal.	1.90 — 2.25
Antimony Chlor. (Sol. butter of Antimony), Bbls. ....lb.	— — .10
Needle Powder, casks....lb.	.04½ — .05
Antipyrine (50-100 lbs.)....lb.	2.25 — 2.30
Apomorphine Hydrochlor. ¼s.oz.	12.00 — 12.25
Arecoline Hydrobrom. 5 ozs.oz.	14.00 — 15.00
Argols, red, powd....lb.	.07 — .09
Arsenic Red, See Heavy Chemicals	
White, See Heavy Chemicals	
Arsenous Iodide, U.S.P....lb.	— — 6.10
Atropine, Alk., U.S.P., 1-oz.oz.	— — 9.00
Sulfate, U.S.P., 5-10 ozs....oz.	5.25 — 5.50
Barbital ....lb.	— — 1.25
Barium Carb. prec., bbls....lb.	— — .25
Dioxide, kegs ....lb.	.17 — .21
Iodide, bott. ....lb.	— — 5.65
Nitrate ....lb.	.06½ — .07
Bay Rum, P. Imported	
Denatured Salicy. Acid....gal.	3.17 — 3.20
or Tartar Emetic, Barrels 45 gal.	
Denatured, quinine ....gal.	3.50 — 3.60
Domestic, synthetic, 50 gal. bbls. ....gal.	1.50 — 1.60
Benzaldehyde (see Aromatic Chemicals)	
Benzonaphthol ....lb.	2.65 — 2.75
Berberine Hdchl., 5 lbs....lb.	— — 22.00
Acid Sulfate ....lb.	21.00 — 23.00
Neutral sulfate ....lb.	21.00 — 23.00
Bismuth Metallic ....lb.	2.10 — 2.20
Ammon. Citrate, U.S.P....lb.	— — 5.20
Citrate, U.S.P. ....lb.	— — 2.30
Oxychloride ....lb.	— — 2.80
Salicylate ....lb.	— — 1.55
Subbenzoate ....lb.	— — 2.75
Subcarbonate, U.S.P. ....lb.	— — 2.10
For X-ray Diagnosis....lb.	— — 2.65
Subgallate ....lb.	— — 2.00
Subiodide ....lb.	— — 3.95
Subnitrate ....lb.	— — 2.00
Second Hands ....lb.	1.85 — 1.90
Subsalicylate ....lb.	— — 2.20
Tannate ....lb.	— — 2.00
Bismuth Preps. basis 25 lb. lots, boxes.	
Borax, cryst.powd.400 lb.bbl.lb.	.08½ — .06
Kegs, 150 lbs. ....lb.	.06 — .06½
Bromine Sulfate (250 ozs.)....oz.	.20 — .25
Bromine, bott. cases, wks....lb.	.23 — .25
Bromofrom, 100 lbs....lb.	— — 1.45
Bromides, See Potass. Brom. etc.	
Cadmium Bromide, 100 lbs....lb.	.95 — 1.00
Iodide ....lb.	— — 4.20
Metal sticks ....lb.	— — 1.00
Caffeine alkaloid, 100 lbs....lb.	3.75 — 4.00
Hydrochloride ....lb.	— — 8.00
Hydrobromide ....lb.	— — 5.25
Citratid, U.S.P. ....lb.	— — 3.25

CLASSIFICATION

Items are classified into divisions based upon industrial and trade use and, within these divisions, are arranged alphabetically. The order follows roughly the order of the market reports in the text pages and the running heads at the top of the page serve as a ready index.

Fine Chemicals — medicinal, photographic, CP reagent acids and chemicals, except synthetic aromatics.

Heavy Chemicals — industrial and metallurgical acids and chemicals, except metals, dyestuffs, tanning materials and fertilizers.

Coal-Tar Products—crudes and intermediates.

Oils—the fatty oils of animal, fish, and vegetable origin.

Crude Drugs—the natural botanical products sold through the drug trade, further subdivided according to class.

Essential Oils — include the oleo-resins and are followed by the synthetic aromatic chemicals.

Caffeine Citrated, U.S.P....lb.	3.00 — 3.25
Sulfate ....lb.	— — 5.75
Calcium Glycerophosphate ....lb.	1.55 — 1.60
Bromide, 100 lbs....lb.	— — .40
Hypophosphite ....lb.	— — .65
Iodide ....lb.	— — 4.20
Lactate ....lb.	.50 — .52
Phosphate, Precip. ....lb.	.10 — .12
Monobasic ....lb.	.07 — .8
Sulfocarbonate ....lb.	— — .48
Camphor, Am. ref'd bbls.blk.lb.	— — .90
16's in 1-lb. carton....lb.	— — .95
32's in 1-lb. carton....lb.	— — .96
Japan refined, 2½ lb. slabs.lb.	.77 — .78
Tablets (as to size)....lb.	.73 — .96
Chinese refined ....lb.	.97 — .98
Monobromated, 100 lbs....lb.	1.70 — 1.75
Caramel, 50 gal. bbls....gal.	.60 — .63
Carmin, No. 40, 5 lb. bxs....lb.	4.50 — 4.60
Casein, Edible, bbls....lb.	.35 — .40
Technical ....lb.	.14 — .15
Castor Oil, AA, 50 gal. bbls.lb.	.12 — .12½
Cerium Oxalate ....lb.	.40 — .42
Chalk, Precip., light, bbls. lb.	.04 — .05
Heavy ....lb.	.03½ — .04
Drop ....lb.	.03½ — .08½
Charcoal, Powd., bbls....lb.	.04 — .05
Willow, Powd. ....lb.	.06 — .07
Bone Black, Powd....lb.	— — .08
Chinoidin, 500 lb. lots....lb.	— — .65
Chloral Hydrate, U.S.P., crystals, 25 lb. jars, 100 lb. lotslb.	— — .76
Chlorosane, 5 lb. bot....lb.	— — .94
Chloroform, U.S.P. 120 lb. drums ....lb.	— — .30
Second hands ....lb.	— — .30
Chrysarobin, (See Acid Chrysophanic)	
Cinchonidin, Alk., 100 oz. tin oz.	.70 — .75
Sulfate ....oz.	— — .50
Cinchonine, Alk., 100 oz. tin oz.	.38 — .43
Sulfate ....lb.	— — .25
Cocaine, Alkaloid, 10 oz....oz.	8.00 — 10.00
Hydrochlor. Cryst., Powd.	
25 oz. cans....oz.	— — 6.00
Small sizes: ¼s 50c extra, ½s 25c, Singles 7c extra per oz.	
Cocoa Butter, 200 lb. bales.lb.	.26 — .28
Fingers, cakes, 12 lb. bxs.lb.	.34 — .37
Codeine, Alk., 10 oz. cans....oz.	— — 6.10
Hydrobromide ....oz.	— — 4.90
Hydrochloride ....oz.	— — 5.50
Nitrate ....oz.	— — 5.50
Phosphate ....oz.	— — 4.38
Salicylateoz.	— — 4.55
Sulfateoz.	— — 4.90
Small sizes: ¼s 50c extra, ½s 25c, singles 7c extra per oz.	

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Fine Chemicals

Cod Liver Oil, Newf'd.....bbl.	—	20.00	Glycerin			Lanolin, See Adeps Lanae		
Norwegian, 30 gal. bbls.....bbl.	23.00	25.00	C.P. drums, bbls.....lb.	.14½	.15	Lead Iodide, U.S.P., VIII.....lb.	—	2.50
Colchicine, Alkaloid, 1 oz.....oz.	—	25.00	Cans, 50 lbs. ....lb.	.15½	.16	Licorice, U.S.P., Mass.....lb.	—	.25
Salicylate, 1 oz.....oz.	—	35.00	Dynamite, drums .....	.13	.13½	Powdered	lb.	.40
Collodion, U.S.P. ....lb.	—	.26	Saponification, loose .....	.09	.10	Sticks	lb.	.50
Flexible, U.S.P. ....lb.	—	.29	Soap Lye, loose .....	.08	.09	Comp. Powder	lb.	.11
Corn Syrup .....100 lbs.	2.37	2.67	Guaiacol, liquid, (25 lbs.).....lb.	2.75	3.00	Lithium Carbonate, kegs.....lb.	1.40	1.50
Corrosive Sublimate, see Mercury								
Cotton Solution, 5 gal. cans.lb.	.35	.40	Benzoate (1 lb.).....lb.	—	18.00	Citrate	lb.	1.60
Coumarin, refined, see Aromatic Chemicals			Carbonate (50 lbs.).....lb.	3.25	3.75	Magnesium Carb. U.S.P.bbls.lb.	.12	.13
Cream Tartar, U.S.P., bbls..lb.	—	.26½	Haarlem Oil, dom., cases.gross	—	3.50	Technical, bbls. ....lb.	.06	.07
Imported, U.S.P., 224 lb.bbls.lb.	.23½	.25	Imported, cases	5.40		Blocks cases, 1, 2, 4 ozs..lb.	.18	.21
Creosote, U.S.P., chys.....lb.	.40	.45	Hexamethylenetetramine.....lb.	.67	.70	Glycerophosphate	lb.	3.20
Carbonate, (25 lbs.).....lb.	1.60	1.70	Homatropine, Hydrom.5 ozs.oz.	—	15.00	Hypophosphite	lb.	1.20
Cresol, U.S.P. ....lb.	.13	.16	Hydrastine, Alkaloid (8 ozs.)oz.	17.00	18.00	Oxide	lb.	.53
Digitalin, pure, (5-10 ozs.)..oz.	6.75	7.00	Hydrochloride	17.50	18.00	Peroxide, cans	lb.	2.15
Dionin, See Morph. Ethyl Hydrochl.			Sulfate, 5 ozs. ....oz.	—	19.50	Salicylate, 100 lbs. ....lb.	—	.62
Dover's Powder, U.S.P.....lb.	—	2.20	Hydrastinine Hdchl. (1 oz.)oz.	—	60.00	Sulfate, (See Epsom Salt)		
Duboisine Sulfate, (1 oz.)...oz.	—	60.00	Hydrogen Peroxide, U.S.P.,			Malt Syrup kegs	lb.	—
Emetine Alk., 15 gr. vials..ea.	—	1.00	10 gr. lots			Manganese Glycerophos. ....lb.	—	2.90
Hydrochloride, (1 oz.).....oz.	16.00	17.50	8-oz. bottles	12.00	12.25	Hypophosphite, U.S.P., VIII.....lb.	1.85	1.90
15 gr. vials .....	.75	.90	Hydroquinone, 100 lbs. ....lb.	.90	1.00	Iodide	lb.	5.65
Epsom Salt, U.S.P. (5 bbls.)cwt.	2.50	2.75	Hyoscin Hydrobrom., 5 ozs.oz.	17.00	17.50	Sulfate, Crystals	lb.	.30
Technical	1.00	1.85	Hyoscyamine Alkaloid, (1 oz.)oz.	—	21.00	Menthol, 60 lb. cases.....lb.	5.75	6.00
Imported, U.S.P. (5 bbls.)cwt.	1.75	1.85	Amorphous Alk. (1 oz.).....oz.	—	60.00	Mercury, 75 lb. flasks.....ea.	55.00	56.00
Ergotin, Bonjean	10.00	10.50	Hydbrom. (1 oz.).....oz.	—	50.00	Bisulfate	lb.	.55
Eserine Sulfate, (1 oz.)...oz.	—	18.00	Sulfate	18.00	19.00	Blue Mass	lb.	.56
Salicylate	—	30.00	Iodides, See Potass. Iodide, etc.			Powdered	lb.	.58
Alkaloid	—	30.00	Iodine, Resublimed, 5 lb. jar lb.	—	4.05	Blue Oint., 30 p.c.....lb.	—	.56
Ether, U.S.P., 100 lb. drums..lb.	—	.14	Tincture, U.S.P., 50 gal.	—	4.00	33 1-3 p.c. ....lb.	—	.59
Washed, bulk	—	.31	bbl. ....gal.	—	5.00	50 p.c. ....lb.	—	.72
Nitrous, conc. ....lb.	—	.97	Iodoform, powdered, 5 lbs..lb.	—	.99	Citrine Ointment	lb.	.48
U.S.P., 100 lb. drums.....lb.	—	.39	Iron Citrate, U.S.P., VIII..lb.	—	.84	Calomel, Amer. ....lb.	—	.94
Anaesthesia, 100 lb. drums lb.	—	.17	and Ammon Citrate, U.S.P.lb.	—	.84	Corrosive Sublimate, cryst.lb.	—	.91
Motor Ether, 1 lb. cans.....lb.	—	.26	Green scales, U.S.P.....lb.	—	9.00	Powdered Granular	lb.	.76
Ethyl Acetate .....	.93	1.05	Cacodylate, 10 lb. bot.....lb.	9.00	10.00	Iodide, Green	lb.	3.31
85 p.c. Ester .....	.62	.67	Chloride, cryst. (ferrie).....lb.	.08½	.09	Red	lb.	3.41
Chloride	—	.55	Liquid, 40 deg. 140 lb chys.lb.	—	.06½	Yellow	lb.	3.31
Ethyl Methyl Ketone.....lb.	.12	.13	Hypophosphite	1.50	1.60	Red Precipitate	lb.	1.03
Eucalyptol, U.S.P., See Aromatic Chemicals			Syrup, U.S.P. 1900.....lb.	—	.30	Powdered	lb.	1.13
Formaldehyde, bbls. wks.C/Llb.	.08	.09	Oxalate, scales .....	.80	.82	White Precipitate	lb.	1.18
Less Carlots, bbls.....lb.	.09	.10	and Sodium, cryst.....lb.	.45	.50	Powdered	lb.	1.23
Gelatin, silver, 100 lb.cases lb.	.90	1.00	and Potassium .....	.47	.48	With chalk	lb.	.56
Gold Label	—	—	Phosphate, U.S.P.....lb.	—	.89	Mercurial preps. basis 50 lb.		
			Pyrophosphate, U.S.P.....lb.	—	.94	lots, in boxes or tins.		
			Metallic, Reduced	—	.60			



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Methyl Acetone, drums.....gal.	.57	— .60
Methyl salicylate, see Aromatic Chemicals		
Methylene Blue, medicinal..lb.	3.50	— 4.00
Milk, powdered .....	.14	— .15
Mineral Oil, white .....	.75	— 1.25
Morphine, Acet., 10-oz. in 5s.oz.	—	— 4.90
Hydrobromide, 10-oz. in 5s.oz.	—	— 4.90
Hydrochloride, 10-oz. in 5s.oz.	—	— 4.90
Sulfate, 10-oz. in 5s.oz.	—	— 4.90
Diacetyl, Alk., 10 oz., 1/4s.oz.	—	— 8.40
Diacetyl Hydcl., 10 oz., 1/4s.oz.	—	— 7.60
Ethyl Hydcl., 10 oz., 1/4s.oz.	—	— 8.95
Small sizes: 1/4s 50c extra,		
1/4s 25c, single ounces 7c		
extra per oz.		
Opium cases, U.S.P.....lb.	—	— 6.00
Granular	—	— 7.00
Powdered, U.S.P.....lb.	—	— 7.00
Oxgall, pure, U.S.P.....lb.	—	— 1.50
Pancreatin	1.50	— 1.60
Papain	2.25	— 2.30
Paraformaldehyde, 100 lbs..lb.	—	— .53
Pepsin Powd., U.S.P.....lb.	—	— 2.50
Petrolatum, green, 350 bbls..lb.	.0234	— .03
Dark Amber	—	— .04
Light Amber	—	— .04 1/2
Cream White	—	— .07
Lily White	—	— .09
Snow White	—	— .12 1/2
Phenolphthalein, 100 lbs..lb.	1.40	— 1.50
Phosphorus, yellow .....	.25	— .26
Pilocarpine, Hydchlor. 25 ozs.oz.	9.75	— 10.00
Alkaloid, 15 gr. vial.....ea.	—	— 1.25
Nitrate	9.75	— 10.00
Piperazine Hydrate	—	— 13.50

Plaster Paris, true dental..bbl.	4.35	— 4.50
Podophyllin	3.75	— 4.25
Potassium acetate .....	.33	— .35
Bicarbonate, U.S.P. ....	.08	— .10
Bisulfate	—	— .40
Bromate, 100 lbs.....lb.	—	— .40
Bromide Crystals, 100 lbs..lb.	—	— .23
Granulated	—	— .23
Imported, U.S.P. ....	.16	— .18
Carbonate, U.S.P. ....	.12	— .13
Caustic, U.S.P. (by alcohol)lb.	—	— .45
U.S.P. purified	—	— .30
Chlorate, Imp., Powd.....lb.	.06	— .07
Citrate, bulk, U.S.P.....lb.	—	— .65
Glycerophosphate, 75 p.c. lb.	1.65	— 1.70
Guaiacol Sulf. (10-25 lbs.)..lb.	2.50	— 2.75
Hypophosphite, bulk	—	— .85
Iodide, bulk	—	— 3.15
Second Hands	—	— 3.10
Lactophosphate	—	— .90
Nitrate, see Saltpetre		
Oxalate, Neutral .....	.40	— .42
Permanganate, U.S.P., 220		
lb. dr. ....	.14	— .15
Salicylate	—	— .75
Sulfate, C.P.	—	— .35
Tartrate	—	— .60
Pumice Stone, lump.....lb.	.04	— .05
Powdered .....	.03	— .04
Pyridin	—	— 1.75
Quinine Sulf., 100-oz. tins..oz.	—	— .60
1-oz. tins, 100 oz. lots..oz.	—	— .68
Imported, Java, 100 ozs..oz.	—	— .60
Imported, Jap., 100 ozs.tins.lb.	—	—

Quinine Bisulfate, 100 oz. tinsoz.	—	— .60
Alkaloid	—	— .79
Acetate	—	— .88
Arsenate	—	— .88
Benzoate	—	— .88
Citrate	—	— .88
Dihydrochloride	—	— .88
Dihydrobromide	—	— .88
Dicarbonate	—	— 2.00
Ethyl Carbonate	—	— 1.10
Ferrocyanide	—	— .88
Formate	—	— .88
Glycerophosphate	—	— .88
Hydriodide	—	— .88
Hydrobromide	—	— .79
Hydrochloride	—	— .74
Japanese	—	— .72
Hydrochlor. & Urea.....oz.	—	— .88
Hypophosphite	—	— .88
Lactate	—	— .88
Phenolsulfonate	—	— .88
Phosphate	—	— .79
Salicylate	—	— .79
Tannate	—	— .60
Tartrate	—	— .88
Valerate	—	— .98
Small sizes: single ounce		
tins 8c extra, 5 oz. 3c		
extra per oz.		
Quinidine Alk., 100 oz. tins..oz.	.70	— .75
Sulfate, 100 oz. tins.....oz.	—	— .50
Resorcinol, crystals, U.S.P..lb.	1.75	— 1.90
Technical, See Intermediates		

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Rochelle Salts, crystals.....lb. — — .21	Hypophosphite, U.S.P.lb. — — .75	Sugar of Milk, bbls.....lb. .17 — .17½
Imported, U.S.P. ....lb. .18 — .18½	Iodide, 25 lb. box.....lb. — — 3.65	Sulfonal, 100-oz. lots.....oz. — — .37
Rosewater, triple .....gal. — — 1.25	Nitrate, U.S.P., Bbls.....lb. .0494 — .05½	Sulfonethylmethane, U.S.P.....lb. — — 5.50
Saccharin, U.S.P., 100 lbs.....lb. 1.90 — 1.95	Oxalate, Neutral .....lb. .35 — .40	Sulfonmethane, U.S.P. ....lb. — — 4.50
Resale .....lb. 1.75 — 1.90	Peroxide, tins .....lb. .25 — .27	Sulfur Iodide, U.S.P.....lb. — — 3.95
Salicin, 25 lbs. ....lb. 4.25 — 4.50	Phosphate, U.S.P., gran.....lb. .07 — .07½	Sulfur, roll, bbls.....lb. 2.15 — 2.70
Salol, U.S.P., bulk.....lb. — — .80	Recryst. ....lb. — — .13	Flour, 100 p.c. pure.....100 lbs. 2.50 — 3.15
Saltpetre, Double ref. bbls.....lb. .07¼ — .09¼	Pyrophosphate .....lb. — — .14	Flowers, 100 p.c. pure.....100 lbs. 3.00 — 3.65
Santonin, cryst., (1-10 lbs) lb.167.00 — 170.00	Salicylate, U.S.P., 100 lbs.....lb. — — .32	Precip., U.S.P. ....lb. .18 — .19
Powdered .....lb.168.50 — 171.50	Resale .....lb. — — .28	Lac Sulfur .....lb. .08 — .10
Saponin (Ex Quillaja) (100 lbs.) .....lb. — — 1.55	Sulfate (Glauber's Salt) cwt. 1.25 — 1.35	Tartar Emetic, tech.....lb. .29 — .31
Seidlitz Mixture, bbls.....lb. — — .17	Needle Crystals .....cwt. 1.75 — 1.80	U.S.P. ....lb. .36 — .37
Silver Nitrate, 500 oz. lots.....oz. .45¼ — .46	Sulfocarbonate .....lb. .25 — .26	Talcum, Amer., bags.....100 lbs. 1.00 — 1.25
Nucleinate, 100 ozs.....oz. — — .40	Sparteine Sulfate, (25 ozs.).....oz. 1.25 — 1.35	Purified .....100 lbs. 2.50 — 3.00
Proteinates .....oz. — — .42	Strontium Brom. 50 lb. bx.....lb. — — .29	Terpin Hydrate .....lb. .58 — .61
Colloidal .....oz. — — 1.60	Carbonate, pure .....lb. — — .28	Theobromine Alkaloid .....lb. 5.50 — 6.00
Soap, Castile, white pure.....lb. .20 — .25	Iodide, bulk .....lb. — — 3.50	Thymol, crystals, U.S.P.....lb. 4.10 — 4.25
Powd., U.S.P., bbls.....lb. .30 — .32	Nitrate, Kegs .....lb. .12½ — .13	Iodide, U.S.P., bulk.....lb. 7.75 — 8.00
Green, U.S.P. ....lb. .07½ — .08½	Salicylate, 100 lbs.....lb. — — .60	Tin bichloride see Heavy Chemicals
Sodium Acetate, U.S.P., gran.....lb. .12 — .13	Strychnine Alkd., cryst., 100 oz. tins .....oz. — — 1.05	Oxide, 500 lb. bbls.....lb. .37 — .38
Benzoate, gran., U.S.P.....lb. .50 — .60	Alkaloid, Powd. ....oz. — — .95	Crystals .....lb. .28½ — .30
Bicarb., U.S.P., bbls.....cwt. 1.80 — 2.25	Acetate .....oz. — — .95	Toluene, See Coal Tar Crudes
Bromide, U.S.P., 50 lb. bx.....lb. — — .30	Glycerophosphate .....oz. — — .95	Tribromphenol .....lb. — — .85
Imported, U.S.P. ....lb. .16 — .18	Hydrobromide .....oz. — — .95	Trional .....oz. — — .45
Cacodylate, 25-50 lbs.....lb. — — 4.60	Hydrochloride .....oz. — — .95	Urea. Imp. Pharmaceutical.....lb. — — .40
Caustic, U.S.P., See Sod. Hydroxide	Hypophosphite .....oz. — — 1.05	Veratrine Sulfate, (1 oz.).....oz. — — 2.50
Chlorate, U.S.P., 8th Rev.	Nitrate .....oz. — — .95	Hydrochloride .....oz. — — 2.50
Crystals, c.b., 10 lbs.....lb. .13 — .14	Phosphate .....oz. — — .95	Witch Hazel, Ext., dbl dist., 50 gal. bbls.....gal. 1.20 — 1.25
Granular, c.b., 10 lbs.....lb. .16 — .17	Sulfate, crystals, powd.....oz. — — .76	Yohimbin Hydrate, (1 oz.).....oz. — — 12.50
Chloride, C. P., bbls.....lb. — — .06	Saccharinate .....oz. — — 2.05	Zinc Carbonate, U.S.P., precip.....lb. — — .37
Citrate, U.S.P., Cryst. VIII.....lb. — — .60	Strychnine preps. basls 100 Small sizes: ¼s 50c extra, ¼s 25c single ounces 7c extra per oz.	Chloride, U.S.P. ....lb. — — .35
VIII .....lb. — — .60		Nitrate .....lb. — — .42
Granular, U.S.P., gran.IX.....lb. — — .73		Iodide, bulk .....lb. — — 4.00
Cyanide 996-98, see Heavy Chemicals		Oxide, U.S.P., bbls.....lb. .15 — .16
Glycerophosphate .....lb. 1.70 — 1.75		Stearate .....lb. .20 — .25
Solution U.S.P. cbys.lb. — — 1.15		Sulfate, U.S.P.lb. — — .08
Solution 50% cbyslb. — — 1.00		
Hydroxide, U.S.P.lb. — — .18		

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Fully equal to pre-war European Products in fastness to sunlight and other properties

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Kanawha Chrome Black E H K---

Soluble, a Jet Black suitable for vigoureux printing

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Not affected by IRON, suitable for dyeing in new Franklin machine

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— .37
— 5.50
— 4.50
— 3.95
— 2.70
— 3.15
— 3.65
— .19
— .10
— .31
— .37
— 1.25
— 3.00
— .61
— 6.00
— 4.25
— 8.00

— .38
— .30

— .85
— .45
— .40
— 2.50
— 2.50


— 1.25
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— .37
— .35
— .42
— 4.00
— .16
— .25
— .08

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Acetic, carlots and 10 barrel lots, spot, bbls. extra..		
28 p.c. bbls.....100 lbs.	c/l — 1c/l	2.25 — 2.63 1/2
28 p.c., bbls.....100 lbs.		2.37 1/2 — 2.62 1/2
56 p.c., bbls.....100 lbs.		4.75 — 5.25
70 p.c., bbls.....100 lbs.		5.96 — 6.58
80 p.c., bbls., Com'l.100 lbs.		6.50 — 7.57
80 p.c., bbls., pure..100 lbs.		7.25 — 9.34
Glacial, bbls. ....100 lbs.		8.00 —11.35
Chlorosulfonic, 93-95 p.c....lb.		.15 — .46
Hydrobromic, 10 carboys and single carboys, spot.		
Commercial, 48 p.c.....lb.		.35 — .37
Pure, 40 p.c.....lb.		— .40
Hydrofluoric, barrels and carboys, carlots and less.		
30 p.c. bbls.....lb.		— .07
48 p.c. in carboys.....lb.		.10 — .11
52 p.c. in carboys.....lb.		.11 — .12
60 p.c. in carboys.....lb.		.14 — .14 1/2
White Acid, wks., chys..lb.		.25 — .26
Hydrofluosilicic 35 p.c.....lb.		.10 — .12
Lactic, 22 p.c., dark.....lb.		.04 — .04 1/2
22 p.c., light.....lb.		.05 1/2 — .06
44 p.c., light.....lb.		.11 — .13
44 p.c., dark.....lb.		.09 1/4 — .10
66 p.c., .....lb.		— .16
80 p.c., imported.....lb.		— .18
MIXED (Sulfuric-Nitric)		
Drums, wks., per N unit		.07 1/4 — .08
per S unit.....unit		.01 — .01 1/4
Tank cars,wks.,per N unit		.07 1/2 — .08
per S unit.....unit		.009 — .01
MURIATIC (Iron-free)		
20° Chys., c/l, wks.....cwt.		— 1.25
Tank cars, wks..net ton		20.00 —25.00

ACIDS		
MURIATIC (Commercial)		
20 deg. Chys., 1c/l wks.cwt.	1.35	— 1.75
Chys., c/l wks.....cwt.	1.10	— 1.50
Tank cars, wks.....cwt.	1.00	— 1.10
18° 140lb. chys.,c/l wks.cwt.	.85	— 1.25
22° 140lb. chys.,c/l wks.cwt.	1.40	— 2.00
NITRIC		
36°, Chys., single, wks.cwt.	5.50	— 6.15
Chys., c/l, works.....cwt.	4.75	— 5.25
38°, Chys., single, wks.cwt.	5.65	— 6.55
Chys., c/l, wks.....cwt.	5.00	— 5.65
40°, Chys., single, wks.cwt.	6.50	— 7.15
Chys., c/l, wks.....cwt.	5.25	— 6.25
42°, Chys., single, wks.cwt.	7.25	— 7.90
Chys., c/l, wks.....cwt.	5.50	— 7.00
Oxalic, 10 bbls., wks.....lb.	.12 1/4 — .13	
Spot, bbls. ....lb.	— .13 1/2	
Phosphoric, 50 p.c., tech..lb.	.08	— .09
Syrupy, 85-88 p.c.....lb.	.16	— .19
Pyroigneous, Tech. ....gal.	.10	— .10 1/2
SULFURIC		
66°, chys., 1c/l, wks.....cwt.	— 1.40	
Chys., c/l, wks.....cwt.	— 1.25	
Drums, 1c/l, wks.....cwt.	— 1.10	
Drums, c/l, wks.....cwt.	— 1.00	
Tank cars, wks....net ton	14.00	—16.00
60°, Drums, 1c/l, wks.cwt.	.70	— .90
Drums, cl., wks.....cwt.	.60	— .80
Tank cars, wks....net ton	9.00	—11.00
Oleum, 20 p.c., drums,		
1c/l, wks. ....cwt.	1.25	— 1.50
Drums, c/l, wks.....cwt.	1.10	— 1.25
Tank cars, wks....net ton	18.00	—19.00
Oleum, 40 p.c., drums,		
1c/l, wks. ....net ton	—	—35.00
Oleum, 60 p.c., drums,		
1c/l, wks. ....net ton	—	—65.00
Sulfurous com. cylinders...lb.	.08	— .09
Tannic, Tech. barrels.....lb.	.40	— .55
Tungstic .....lb.	—	— 1.00

Acetone, C.P.Drums,C/L & L.lb.	.08	— .11
Acetic Anhydride, 85 p.c.dr.s.lb.	.37	— .40
Acetyl Chloride, Redistilled.lb.	—	— .40
Alums, carlots in barrels, and 10 barrels, spot.		
Ammonia, lump .....100 lbs.	3.25	— 3.50
Imported .....lb.	—	—
Ground .....100 lbs.	3.40	— 3.65
Powdered .....100 lbs.	3.50	— 3.90
Chrome' .....lb.	.06 1/4 — .07	
Potash lump .....lb.	4.25	— 4.50
Imported .....lb.	.08 1/4 — .03 1/2	
Ground .....lb.	4.35	— 4.60
Powdered .....lb.	4.50	— 4.75
Chrome .....lb.	.06 1/4 — .07	
Soda, Ground .....100 lbs.	3.50	— 4.00
Aluminum chloride, carboys.lb.	.04	— .05
Anhydrous, drums .....lb.	.35	— .40
SULFATE,		
Iron-free, Bags, c/l, contract, wks. ....cwt.	—	—2.25
Bags, c/l, pmpt., wks.cwt.	—	— 2.35
Com'l., (1/2 p.c. iron), bgs. c/l cont., wks.East.cwt.	—	— 1.40
Bags, c/l, pmpt.,wks.E.cwt.	—	— 1.50
Bags, c/l,pmpt.,wks.W.cwt.	—	— 1.35
Bbls., c/l,cont.wks.E.cwt.	—	— 1.55
Bulk, c/l, cont.wks.E.cwt.	—	— 1.35
Aluminum hydrate light.....lb.	.19	— .20
Oxide c-l bbls. wks.....lb.	—	— .08 1/2
Ammonia, Anhydrous, cyl...lb.	—	— .30
Ammonia Water, Drums and carboys.		
26 deg. ....lb.	.07 1/4 — .09 1/4	
20 deg. ....lb.	.06 — .08	
18 deg. ....lb.	.05 1/4 — .07 1/4	
16 deg. ....lb.	.05 — .07	
Ammonium Bifluoride, bbls..lb.	.22	— .28
Imported .....lb.	—	— .22
Carbonate, bbls. ....lb.	.07	— .08 1/4
Lactate .....lb.	.15	— .16
Nitrate .....lb.	.05 1/4 — .03 1/4	
Persulfate, cases .....lb.	—	— .50



SOLVAY

STANDARD IN SODA SINCE 1881

58% Light

58% Dense

CAUSTIC SODA

76% Solid and Ground 60% Special

74% Solid and Ground 70% Special

76% Flake 70% 60%

CAUSTIC ASH (Super Alkali)

15% 25% 36% 45%

TANNERS' ALKALI

BICARBONATE OF SODA

CROWN FILLER (Paper Finisher)

CALCIUM CHLORIDE

TEXTILE SODA

LAUNDRY SODA


SNOW FLAKE CRYSTALS (Sesquicarbonate of Soda)

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Plants

Carteret, N. J. South Charleston, W. Va.

Heavy Chemicals

Am. Sal Ammoniac, barrels, cars and less, spot.		Cal. Chlor. Fl'd, f.o.b. N.Y. ton	— 30.50	Lead Oxide, Litharge, Amer. pd.	
Gray, rough	.07 1/4 — .08 1/4	Anhydrous single drums lb.	.12 — .13 1/2	Red, American	.07 1/4 — .07 3/4
Imported	.08 — .08 3/4	Lactate	— .40.00	Sulfate, basic white	.06 1/4 — .07
Granulated, white	.07 1/4 — .08	Nitrate, bags	.05 — .05 1/2	White, Basic Carb., Amer. dry	.07 1/4 — .07 1/4
Imported	.07 1/4 — .08	Chlorine, liq., C/L cyl., wks. lb.	.06 — .06 1/2	Lithopone, bbls C/L & LC/L	.06 — .06 1/2
Lump, casks, bbls.	.15 — .16	Less C/L	.06 — .08	Imported	.05 1/4 — .05 1/4
Sulfate, dbl. bags, f.a.s. 100 lbs.	3.60 — 3.65	Carbon bisulfide, C.L. & less	.06 — .07	Lime, hydrate	.01 — .01 1/4
*Dom. Bulk, wks. 100 lbs.	3.40 — 3.50	Carbon black, as to quality	.10 1/2 — .18	Acetate	100 lbs. — 1.75
Antimony chloride, liq. cbs. lb.	.12 — .14	Carbon tetrachlor., C.L. & Less	.09 1/2 — .10 1/4	Nitrate	— 40.00
Anhydrous, drums	.35 — .40	Cobalt Oxide	2.00 — 2.25	Sulfur, Powd.	100 lbs. — .12
Oxide, bbls.	.06 1/4 — .06 3/4	Copper Carbonate	— .18	Magnesium Sulfate, Technical, bbls. carlots and 10 bbls.	70.00 — 72.00
Sulfide, Crimson	.35 — .40	Cyanide	.58 — .60	Domestic	100 lbs. 1.85 — 2.00
Golden, No. 1	.16 — .20	Oxide	.15 — .15 1/4	Imported	.90 — 1.00
Vermillion	— .40	Subacetate (Verdigris)	.35 — .37	Carbonate, tech.	.06 — .07
Tartrolactate	— .45	Sulfate LC/Fl spot. 100 lbs.	5.50 — 5.60	Chloride, fused, f.o.b. wks. ton	— 30.00
Arsenic, white, kegs.	.07 — .07 1/4	C/L delivered 100 lbs.	5.55 — 5.65	Imported, fused & gran. ton	32.00 — 34.00
Red. 50 to 200 kg. drums. lb.	.12 1/4 — .13	Tartrate (verdigris sub- stitute)	— .30	Flaked, f.o.b. wks. ton	— 32.00
Metal	— .17	Copperas, wks., Bulk. ton	17.00 — 20.00	Fluosilicate, 30 p.c. soln. 100 lbs.	8.00 — 10.00
Barium, chloride, bbls. ton	— 100.00	Ferric Chloride, crys. lb.	— .08 1/4	Manganese Chloride	100 lbs. — .14
*Imported, casks	— 105.00	Liquid, 40 deg.	— .06 1/2	Dioxide, 80-84 p.c., 10 bbls. ton	80.00 — 85.00
Binoxide	.20 — .22	Ferrous Chloride, crys.	.06 — .06 1/4	85-90 p.c.	85.00 — 90.00
Imported	.16 — .17	Sulfide	100 lbs. 4.00 — 4.50	Sulfate, bbls.	.11 — .12
Carbonate, bbls., c/l & less ton	75.00 — 85.00	Flake White, bbls.	.13 — .13 1/4	Nickel oxide, bbls.	.40 — .42
Imported	65.00 — 70.00	Fluorspar, 96 p.c. ex-dock. ton	— 25.00	Salts, single	.11 — .13
Nitrate	.09 1/4 — .10 1/4	96 p.c. ex-dock. ton	— 30.00	double	.11 — .13
Imported	.06 — .06 1/2	98 p.c. ex-dock. ton	— 35.00	Nitre Cake, bulk wks., C/L ton	4.00 — 4.50
Barytes, floated, white, bgs. ton	28.00 — 29.00	Fuller's Earth, f.o.b. mines. ton	15.00 — 17.00	Orange Mineral	.11 — .14
Blanc Fixe, ton	70.00 — 85.00	Imported, bags	35.00 — 40.00	Paris Green	.18 — .20
Imported	— —	Fusel Oil, crude, drums. gal.	1.35 — 1.65	Paris White	15.00 — 16.00
Bleaching Powder, Drums, car- lots.	— —	Refined, 10 drum lots. gal.	2.15 — 2.40	Phosphorus red. 110 lb. cases lb.	— .50
F.o.b. wks., Contract. 100 lbs.	1.50 — 1.60	Kieselguhr bgs., C/L & less, 100 lbs.	1.75 — 2.00	Imported	.25 — .27
Prompt	1.60 — 1.75	Lead Acetate, Barrels, freight allowed.		Yellow, 110 lb. cases. lb.	.25 — .35
Export, f.a.s. 100 lbs.	— —	White cryst.	.11 — .11 1/4	Imported	— .28
Imported, Drums and barrels, spot	— — 1.75	White, broken	.10 1/4 — .11	Oxychloride	.35 — .37
Bromine, bott. cases wks. lb.	.23 — .25	Granulated	.10 1/4 — .11 1/4	Sesquisulfide, 105 lb. cases. lb.	— .42 1/4
Calcium Acetate, bags. 100 lbs.	— 1.75	Brown, broken	.09 1/4 — .10 1/4	Trichloride	.35 — .40
Arsenate, bbls.	.10 — .13	Arsenate, powdered, bbls. lb.	.11 1/4 — .13	Plaster of Paris, tech. bbl.	4.25 — 4.50
Carbide, drums	.04 1/2 — .05	Paste, bbls.	.09 — .10		
Carbonate, bags 100 lbs.	1.00 — 1.35	Nitrate	— .16		
Chloride, solid, f.o.b. N.Y. ton	— 24.50				
Imported	— 20.00				
Granulated, f.o.b. N.Y. ton	— 30.50				

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St. Louis New York Nashville

Manufacturers
ofPHOSPHATE OF SODA
TRI SODIUM PHOSPHATE

EPSOM SALTS

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Ammonium Phosphate
Baking Powder Chemicals

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Oxalic— Formic—
(99.5% Pure) (All strengths)
Phosphoric

SULPHUR

SUBLIMED

ROLL BRIMSTONE

FLOWERS

PRECIPITATED 100%

LAC SULPHUR

BATTELLE & RENWICK

Estb. 1840

Incp. 1902

80 Maiden Lane, New York, N. Y.

Heavy Chemicals

Potash, Caustic, drums, car-		
lots and less, F.o.b. N. Y.		
Domestic 88-92 p.c.....lb.	.08	— .10
Imported .....	.06	— .06½
Domestic, 70-75 p.c.....lb.	—	— —
Potassium Bichromate, Barrels,		
carlots and less, spot.		
Crystals .....	.10	— .10½
Powdered .....	.13	— .13½
Binoxalate, tech.,crys.bbils.lb.	.35	— .38
Carbonate, 80-85 p.c., bbils.lb.	.04½	— .05
Hydrated .....	.05½	— .06½
90-95 p.c. ....	.05½	— .06
96-98 p.c. ....	.06½	— .08
Chlorate, Carlots and less		
in 112 lb. kegs		
Crystals, American .....	.08	— .10
Imported	—	— .06½
Powdered, American .....	.08	— .10
Imported	—	— .06½
Pyrotechnic, 200 mesh,imp.lb.	.07	— .07½
Muriate, basis 80 p.c.,bgs.unit	.60	— .65
Metabisulfite .....	.23	— .25
Perchlorate, 10 bbils. & less.lb.	.12	— .14
Permanganate, Com'l., bbils.lb.	.14	— .16
Imported .....	.14	— .16
U.S.P. See Fine Chemicals		
*Potass. Prussiate, red.....lb.	.65	— .70
Yellow, casks .....	.27½	— .29
Sulfate	—	— 1.00
Titanium Oxalate	—	— .50
Salt, tech. ....ton	12.00	— 15.00
Salt Cake, Glassmaker's, wks.		
bulk C/L	20.00	— 21.00
Saltpetre, bbils. C/L & less.lb.	.07½	— .09½
Imported .....	.06½	— .07

Note: Prices on soda alkalies
are based on actual per-
centages and not N. Y. &
L. test.

Soda Ash, 58 p.c. light, bgs.,		
resale spot flat.....100 lbs.	1.80	— 2.10
Contract, Basis 48 p.c. carlots		
wks., Bags .....100 lbs	—	— 1.20
Prompt and spot, Basis 48 p.c.		
carlots, wks., bags.....100 lbs.	1.25	— 1.30
Soda Ash, 58 p.c. dense, bgs.,		
resale, spot flat.....100 lbs.	1.90	— 2.00
Contract, Basis 48 p.c. carlots		
wks., Bags .....100 lbs.	—	— 1.25
Prompt and spot, Basis 48 p.c.		
carlots, wks., bags.....100 lbs.	1.30	— 1.35
Soda, Caustic, 76 p.c. solid, re-		
sale spot, flat.....100 lbs.	3.85	— 3.90
Contract, Basis 60 p.c., wks.		
carlots .....100 lbs.	—	— 2.50
Prompt and spot, Basis 60		
p.c. wks., carlots.....100 lbs.	2.57½	— 2.60
Contract 60 p.c. low grade		
cars wks. flat.....100 lbs.	—	— 2.65
Ground and flake, 76 p.c. wks.,		
prompt and spot, carlots,		
drums, flat .....100 lbs.	—	— 3.72½
Contract, 76 p.c. wks., car-		
lots, drums, flat.....100 lbs.	—	— 3.65
Sodium Acetate, bbils.....lb.	.04	— .05
Aluminum Sulfate, bbils.100 lbs.	3.50	— 4.00
Bicarbonate, bbils.& kgs.100 lbs.	1.80	— 2.25
Bichromate, bbils. C/L &		
LC/L .....	.07½	— .07¾
Bisulfite, Powd. ....lb.	.04½	— .04¾
Solution 32-40 deg.....100 lbs.	1.35	— 2.00
Carbonate Sal. bbils.....100 lbs.	1.65	— 1.90
Chlorate, 10 bbils.....lb.	—	— .06½
Imported .....	.05	— .05½
Chloride, tech. ....ton	12.00	— 15.00
Cyanide, 96-98 p.c., bbils.....lb.	.25	— .27
73-76 p.c. ....	.22½	— .24
*Imported 120 p.c.....lb.	.23	— .23½
*128 p.c. ....	.25	— .26

Sodium Fluoride, bbils.....lb.	—	— .10
Imported .....	.09½	— .10
Hydrosulfite .....	.30	— .32
Hyposulfite, Barrels and kegs,		
carlots.		
Crystals .....100 lbs.	3.10	— 3.35
Granulated .....100 lbs.	3.70	— 3.95
Nitrate, crude, bags C/L100 lbs.	2.80	— 2.85
Double refined, Gran.bbils.lb.	.04½	— .04¾
Nitrite, bbils., wks.....lb.	—	— .09
Spot bbils.	—	— .09½
Imported, bbils. ....	.08½	— .09½
Perborate	—	— .25
Imported	—	— .20
Peroxide .....	.25	— .37
Phosphate (tri) .....	.05½	— .06
di-Sodium, U.S.P., gran.lb.	.07	— .08
Technical .....	.03¾	— .04¾
Mono-Sodium, ref. ....	.25	— .27
Prussiate, Yellow .....	.18½	— .18¾
Silicate, 60 deg., drums &		
carboys .....100 lbs.	3.00	— 3.50
40 deg., tanks & chys.100 lbs.	.95	— 1.75
Silicofluoride, bbils.....lb.	.08¾	— .09
Sulfate, G'l'b salt. bbils. 100 lbs.	1.25	— 1.50
Imported, bags .....100 lbs.	.95	— 1.00
Sulfide, 60 p.c., fused solid		
drums .....	.05	— .05½
Broken .....	.05	— .05½
Imported .....	.04	— .04½
30 p.c. crystals .....	.03	— .03¾
Sulfite, Crystals .....	.03½	— .03¾
Dessicated .....	.09½	— .10½
Sulfocyanide, bbils. ....	.45	— .47
Thiocyanate .....	.45	— .47
Tungstate, crys. ....	.80	— .85
Dessicated .....	.70	— .75
Strontium Nitrate, bbils.....lb.	.12	— .14
Imported .....	.07½	— .08
Carbonate imp. ....	.10	— .15
Sulfur Chloride, red, drums.lb.	.05	— .06
Yellow, drums .....	.04½	— .05
Sulfur Dioxide, liq. cyl.....lb.	.08	— .08½

THE CLEVELAND-CLIFFS IRON CO.

KIRBY BUILDING, CLEVELAND, O

PRODUCERS OF

Wood Alcohol
Acetic Acid
Formaldehyde
Pure Acetone

Methyl Acetone
Sulphuric Acid
Sodium Acetate
Iron Liquor

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Sulfur, crude ex dock C/L..ton	18.00	-20.00	Acid Picric	lb.	.20	- .40	Diphenyloxide	lb.	.75	- .80	
Flour Com'l., bbls....100 lbs.	1.70	- 2.00	Acid Salicylic, tech.....lb.	.25	- .22	Ethyl Benzyl Aniline.....fb.	—	—	1.40	—	
Flowers, 100 p.c. bbls....100 lbs.	3.00	- 3.65	Acid Sulfanilic, tech.....fb.	.22	- .23	Ethyl Bromide	fb.	—	.40	—	
Sulfuryl Chloride, drums.....lb.	—	—	Acid Tobias	fb.	1.50	- 1.60	Ethyl Chloride	fb.	—	.50	
Tartar Emetic	fb.	.29	- .30	Acetanilide, tech.	fb.	.27	- .29	"G" Salt	fb.	.65	- .70
Tin, bichloride 50 p.c. Sol'n..fb.	—	—	10%—10%4	p-Aminoacetanilide	fb.	1.25	- 1.30	Hydrazobenzene	fb.	1.30	- 1.35
Crystals	fb.	.28	- .30 1/2	Aminoazobenzene	fb.	—	1.15	Methyl Chloride	fb.	—	.50
Oxide	fb.	.38	- .39	p-Aminophenol	fb.	1.25	- 1.35	Michler's Ketone	fb.	—	—
Tetrachloride	fb.	.20 1/2	- .22	Hydrochloride	fb.	1.35	- 1.45	Monochlorobenzene, drums ..fb.	.10	- .12	—
Whiting, 100 lb.bgs./C/Lwk.ton	—	—	18.00	o-Aminophenol	fb.	2.50	- 2.75	Monocetylamine	fb.	1.00	- 1.05
Less C/L, 100 lb.bgs.wks.ton	—	—	23.00	Aniline Oil, (drums extra) ..fb.	15 1/2	- .16	a-Naphthol, crude	fb.	1.00	- 1.05	
French, bgs., N. Y.....ton	—	—	14.00	Aniline Salt	fb.	.22	- .24	Refined	fb.	1.10	- 1.15
English, bgs., N. Y.....ton	—	—	23.00	o-Anisidine	fb.	2.00	- 2.10	b-Naphthol, distilled	fb.	.28	- .30
Zinc Carbonate, kegs, carlots	—	—	14	p-Anisidine	fb.	3.00	- 3.05	a-Naphthylamine	fb.	.30	- .32
and less	fb.	.14	- .16	Technical	fb.	1.65	- 1.70	b-Naphthylamine, tech.	fb.	.95	- 1.00
Chloride, Carlots and less in barrels.	—	—	.05	Anthraquinone Subl., bbls..fb.	1.35	- 1.60	Sublimed	fb.	1.50	- 1.55	
Fused, American	fb.	.05	- .05 1/4	25 p.c. paste.....fb.	.75	- .80	p-Nitroacetanilide	fb.	.55	- .60	
Imported	fb.	.05 1/4	- .05 1/2	Bayer's Salt	fb.	—	1.00	p-Nitroaniline	fb.	.72	- .75
Granulated, American	fb.	.06	- .06 1/2	Benzaldehyde, Tech. drum	—	—	.55	p-Nitroaniline	fb.	.75	- .80
Imported	fb.	.05 1/4	- .06	Benzidine Base	fb.	.85	- .90	Nitrobenzene, redistilled ..fb.	.10	- .11	—
Cyanide, kegs	fb.	.42	- .43	Sulfate	fb.	.70	- .75	o-Nitrochlorobenzene	fb.	.32	- .35
Oxide, French, bbls. C/L..fb.	—	—	10	Benzoyl chloride	fb.	1.00	- 1.05	p-Nitrochlorobenzene	fb.	.28	- .28
American, bbls. C/L.....fb.	—	—	.08	Benzylchloride, redistilled ..fb.	.35	- .37	p-Nitrophenol	fb.	.75	- .77	
Sulfate, bbls., Carlots & less..fb.	—	—	.02 1/4	95% tech.	fb.	.20	- .25	o-Nitrophenol	fb.	.75	- .77
				Bromobenzene	fb.	.35	- .37	m-Nitro-p-toluidine	fb.	2.25	- 2.35
				Chlorobenzene, drums	fb.	.10	- .11	p-Nitro-o-toluidine	fb.	2.75	- 2.85
				Tanks, wks.	fb.	—	.08	p-Nitrosodimethylaniline ..fb.	—	—	—
				Chlorhydrin 98 p.c drums....fb.	1.50	- 1.75	Nitrotoluene-s, Mixed	fb.	.14	- .16	
				40 p.c. Sol'n, drums.....fb.	.30	- .35	o-Nitrotoluene	fb.	.12	- .13	
				Chloroform tech., drums & tins	fb.	.35	- .38	p-Nitrotoluene	fb.	.60	- .75
				Diaminophenol	fb.	5.50	- 5.60	p-Oxy-benzaldehyde	fb.	1.50	- 1.60
				Dianisidine	fb.	4.50	- 4.60	p-Phenetidin	fb.	1.35	- 1.40
				o-Dichlorobenzene	fb.	.15	- .17	p-Phenylenediamine	fb.	1.50	- 1.60
				p-Dichlorobenzene	fb.	.17	- .20	m-Phenylenediamine	fb.	1.00	- 1.05
				Dichlorobenzene, mixed	fb.	.06	- .07 1/2	Phenyl-a-Naphthylamine ..fb.	—	—	—
				Diethylaniline	fb.	.60	- .62	Phosgene	fb.	.60	- .70
				Dimethylaniline, drums ext..fb.	.36	- .38	Phthalic Anhydride	fb.	.35	- .37	
				Dimethylsulfate, drums	fb.	.33	- .35	R' Salt	fb.	.54	- .60
				Dinitrophenol	fb.	.20	- .24	Resorcinol Technical	fb.	1.30	- 1.35
				Dinitrobenzene	fb.	.22	- .24	Sodium o-Chloro-p-toluene sul-	fb.	.25	- .27
				Dinitrochlorobenzene	fb.	.30	- .33	fonate	fb.	.80	- .85
				Dinitronaphthalene	fb.	.20	- .22	Metatrate	fb.	.60	- .63
				Dinitrotoluene	fb.	.58	- .60	Naphthionate	fb.	.55	- .60
				Diphenylamine	fb.	—	—	Picramate	fb.	.55	- .60
								p-toluene sulfonate	fb.	.08	- .09

Intermediates

Acid 1, 2, 4.....fb.	.80	- .85
Acid, Anthranilic	fb.	1.30 - 1.35
Technical	fb.	1.10 - 1.15
Acid Benzole, tech.	fb.	.45 - .50
Acid Broenner's	fb.	1.55 - 1.60
Acid Chloracetic, bbls. & kegs	fb.	.32 1/2 - .34 1/2
Acid Cleves	fb.	1.50 - 1.54
Acid Gamma	fb.	1.80 - 2.00
Acid H	fb.	.85 - .90
Acid Laurent's	fb.	.75 - .80
Acid Metanilic	fb.	1.00 - 1.10
Acid Monosulfonic F (delta) ..fb.	2.20	- 2.35
Acid Naphthionic, Crude....fb.	.60	- .62
Refined	fb.	.65 - .67
Acid Neville & Winther's....fb.	1.25	- 1.30
Acid Phthalic	fb.	.32 - .35
Anhydride	fb.	.25 - .37
Acid Picramic	fb.	.65 - .70

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IT IS comparatively easy to manufacture artificial dyestuffs of uniform excellence when the intermediates used conform to the highest commercial standards.

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Dyestuffs Department

WILMINGTON DELAWARE
8 Thomas St., New York

Coal-Tar Dyes

Schaeffer's Salt	lb.	.60	—	.65
Thiocarbamide	lb.	.35	—	.37
p-Toluene Sulfonamide	lb.	.40	—	.42
p-Toluene Sulfonchloride	lb.	.11	—	.14
Tolidine	lb.	1.15	—	1.20
Sulfate	lb.	—	—	1.00
Toluidine, Mixed	lb.	.30	—	.32
o-Toluidine	lb.	.16	—	.18
p-Toluidine	lb.	1.00	—	1.14
m-Tolylendiamine	lb.	.95	—	1.00
Triphenyl Phosphate	lb.	.50	—	.60
Xylidine	lb.	.42	—	.45

Crudes

Anthracene, 80-85 p.c.	lb.	.75	—	1.00
40-45 p.c.	lb.	.12	—	.17
Benzene, C. P.	gal.	.29	—	.34
Resale, drums incl. F.A.S.	gal.	—	—	—
90 p.c.	gal.	.27	—	.32
Carbazol	lb.	.75	—	.90
Cresylic Acid, 95 p.c. dark.	gal.	.45	—	.47
Straw, 97-99 p.c.	gal.	.50	—	.52
Cresol, U.S.P.	gal.	.12	—	.15
Croosote oil	gal.	.20	—	.22
Dip. oil	gal.	.24	—	.26
Naphthalene, balls	lb.	.08	—	.09
Flake	lb.	.07	—	.08
Second Hands	lb.	.06 1/2	—	.06 3/4
Pres. Gov't Surplus	lb.	.12	—	.17
Open Market	lb.	.12	—	.15
Natural	lb.	.15	—	.16
Pitch, various grades.	ton	10.00	—	12.00
Solvent naphtha	gal.	.25	—	.30
Tar Acid Oil, 25 p.c.	gal.	.24	—	.26
50 p.c.	gal.	.34	—	.36
Toluene, pure	gal.	.30	—	.35
Xylene, 10 deg. dist. range.	gal.	.35	—	.40
5 deg. dist. range.	gal.	.40	—	.45
Nitration, 2 deg. range.	gal.	.45	—	.50

Coal-Tar Dyes

ACID COLORS:

Black	lb.	.80	—	1.10
Blue	lb.	1.00	—	3.00
Brown	lb.	.80	—	1.25
Fuchsin	lb.	1.50	—	2.50
Green	lb.	1.75	—	3.00
Orange II	lb.	.45	—	.50
Orange III	lb.	.85	—	3.50
Red	lb.	.65	—	1.00
Scarlet	lb.	1.60	—	3.50
Violet	lb.	1.50	—	2.00
Azo Yellow	lb.	1.50	—	1.60
Indigotin, paste	lb.	1.20	—	1.30
Metanil Yellow	lb.	1.50	—	1.60
Naphthol Green	lb.	6.75	—	7.25
Naphthylamine Red	lb.	.55	—	.80
Orange, R. G.	lb.	.80	—	.90
Ponceau	lb.	.65	—	.70
Scarlet 2R	lb.	1.20	—	1.50
Tartarzin, Dom.	lb.	1.50	—	4.00
Wool Green S	lb.	1.50	—	4.00

DIRECT COLORS.

Black	lb.	.55	—	.65
Blue 2B	lb.	.60	—	.80
Brown R	lb.	.85	—	1.00
Brown G	lb.	1.25	—	1.70
Bordeaux	lb.	1.75	—	2.00
Fast Black	lb.	1.25	—	1.35
Fast Pink	lb.	1.75	—	2.50
Fast Red	lb.	2.35	—	2.50
Fast Yellow	lb.	1.50	—	2.00
Yellow	lb.	2.00	—	2.75
Violet can't	lb.	1.00	—	1.25
Benizopurpurin, 4 B.	lb.	1.10	—	1.20
Chrysopurpurin, Dom.	lb.	1.10	—	1.25
Congo Red 4B Type.	lb.	.80	—	1.00
Primuline	lb.	1.50	—	2.00

SULFUR COLORS:

Black	lb.	.30	—	.25
Blue	lb.	.60	—	1.00
Brown	lb.	.35	—	.60
Green	lb.	1.00	—	1.75
Yellow	lb.	.75	—	1.00

CHROME COLORS:

Alizarin Blue, bright.	lb.	8.00	—	8.50
Alizarin Brown, conc.	lb.	—	—	2.50
Alizarin Cyanine	lb.	1.10	—	2.00
Alizarin Orange	lb.	1.25	—	1.50
Alizarin Red, 30 p.c. Paste.	lb.	.60	—	1.00
Alizarin Yellow G.	lb.	.85	—	1.00
Chrome Black, Dom.	lb.	.55	—	.65
Chrome Blue	lb.	.75	—	2.00
Chrome Brown	lb.	.80	—	1.00
Chrome Green, Dom.	lb.	1.60	—	3.00
Chrome Red	lb.	1.75	—	2.00
Chrome Yellow	lb.	.65	—	1.00

BASIC COLORS:

Alkali Blue, conc.	lb.	4.50	—	5.00
Auramine O	lb.	—	—	1.50
Auramine OO	lb.	—	—	2.50
Bismarck Brown R.	lb.	.70	—	.80
Brilliant Green Crystals.	lb.	2.25	—	2.50
Chrysoidin	lb.	.75	—	.80
Crystal Violet	lb.	3.00	—	3.25
Indigo 20 p.c. paste.	lb.	.35	—	.38
Fuchsin Crystals, Dom.	lb.	3.00	—	3.40
Malachite Green, Crystals.	lb.	1.60	—	1.65
Methylene Blue, tech.	lb.	1.50	—	2.00
Methyl Violet, 6B.	lb.	2.75	—	3.25
Nigrosine, spts. sol.	lb.	—	—	.70
Rhodamine B. ex. con't.	lb.	8.00	—	9.00
Safranin	lb.	2.50	—	3.00
Victoria Blue, base, Dom.	lb.	3.50	—	4.50

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Holbrook, Mass. U. S. A.

P. O. Box 473

Dyestuffs

Natural Dyestuffs

Annatto, fine	lb.	.26	—	.29
Seed	lb.	.05	—	.06
Carmine No. 40.....	lb.	5.00	—	5.25
Cochineal	lb.	.33	—	.40
Gambler, see tanning.				
Indigo, Bengal	lb.	—	—	—
Oudes	lb.	—	—	—
Guatemala	lb.	—	—	—
Kurpahs	lb.	—	—	—
Madras	lb.	.90	—	.92
Madder, Dutch	lb.	.25	—	.26
Nutgalls, blue Aleppo.....	lb.	.14	—	.15
Chinese	lb.	.15	—	.16
Quercitron Bark, see tanning.				
Turmeric, Madras	lb.	.06 1/4	—	.06 1/4
Aleppy	lb.	.06	—	.06 1/4

Dyewoods

Barwood	lb.	.04 1/2	—	.05
Camwood, chips	lb.	.09	—	.13
Fustic, sticks	ton	35.00	—	37.00
Chips	lb.	.04	—	.06
Hypernic, chips	lb.	.06 1/4	—	.07
Logwood Sticks	ton	—	—	30.00
Chips	lb.	.02 1/2	—	.03
Quercitron Bark, see tanning.				
Red Saunders	lb.	.12	—	.13

Dye Extracts

Note: Range of prices on dye extracts includes quality range for large quantity.				
Archil, Double	lb.	.16	—	.18
Triple	lb.	.17	—	.19
Concentrated	lb.	.18	—	.20

Cutch, Mangrove, see Tanning				
Rangoon, boxes	lb.	.15	—	.18
Liquid	lb.	.10	—	.11
Tablet	lb.	.13	—	.14
Judbear, French	lb.	—	—	—
English	lb.	.21	—	.23
Concentrated	lb.	—	—	—
Flavine	lb.	.90	—	.95
Fustic, Solid	lb.	.14	—	.18
Crystals	lb.	.22	—	.24
Liquid, 51 deg.	lb.	.10	—	.14
Gall	lb.	.16	—	.18
Hematine Extract 51 deg.	lb.	.11 1/4	—	.13 1/4
Crystals	lb.	.16	—	.20
Hypernic, liquid, 51 deg.	lb.	.15	—	.20
Logwood, solid	lb.	.15	—	.23
51 deg., Twaddle.....	lb.	.08	—	.13
Osage Orange, Extract 42 deg.	lb.	.07	—	.10
Crystals	lb.	.18	—	.19
Persian Berries	lb.	.27	—	.30
Juebracho, see tanning.				
Quercitron, 51 deg.	lb.	.06	—	.07
Powdered, 100 p.c.	lb.	.09	—	.13

Miscellaneous Dyestuffs

Albumen, Egg, edible.....	lb.	—	—	.75
*Technical	lb.	—	—	.65
Blood, imported	lb.	—	—	.50
Domestic	lb.	.45	—	.50
Prussian blue	lb.	.45	—	.50
Soluble	lb.	.45	—	.50
Spray yolk	lb.	.35	—	.45
Turkey Red Oil	lb.	.09	—	.11
Yolk Oil	lb.	—	—	.35
Zinc Dust, prime heavy.....	lb.	.08	—	.09
100-lb. tins	lb.	—	—	.09 1/4
520-lb. casks	lb.	—	—	.08 1/2
Carload lots	lb.	—	—	.08

Dextrins and Starches

British Gum	per 100 lbs.	3.29	—	3.57
Dextrin, Corn, white or yellow	per 100 lbs.	2.99	—	3.27
Potato white or canary.....	lb.	.09	—	.09 1/4
Sago Flour	lb.	.03 1/2	—	.03 1/4
Starch, Powd., bags.....	100 lbs.	2.32	—	2.60
Pearl, bags	100 lbs.	2.22	—	2.50
Potato, Domestic	lb.	.05 1/4	—	.05 1/2
Imported, duty paid.....	lb.	.06 1/4	—	.07 1/4
Tapioca flour, high grade.....	lb.	.04 1/4	—	.04 1/2
Medium grade	lb.	.03 1/4	—	.03 1/2
Low grade	lb.	.02 1/2	—	.03

Tanning Woods

Algarobilla	ton	—	—	—
Divi Divi	ton	32.00	—	34.00
Hemlock Bark	ton	16.00	—	18.00
Mangrove, African, 38 p.c.	ton	—	—	35.00
Bark, S. A.	ton	25.00	—	30.00
Myrobalans, J1	ton	—	—	25.00
J2	ton	—	—	20.00
B1	ton	—	—	34.00
B2	ton	—	—	19.00
R2	ton	—	—	17.00
Oak Bark	ton	20.00	—	23.00
Ground	ton	—	—	25.00
Quercitron Bark rough.....	ton	—	—	10.00
Ground	ton	20.00	—	26.00
Sumac, Sicily, 28 p.c.	ton	55.00	—	58.00
Virginia, 25 p.c.	ton	—	—	35.00
Valonia Cups 28-33 p.c.	ton	31.00	—	35.00
Beard 40 p.c.	ton	40.00	—	42.00
Wattle Bark	ton	38.00	—	40.00

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Providence Philadelphia

Fixed Oils

Tanning Extracts

Chestnut, clarified, 25 p.c. tan, tanks, f.o.b. wks.....lb.	.01½	.01¾
Powdered, 60 p.c.....lb.	.05½	.05¾
Decolorized.....lb.	.09	.09½
Gambier, 25 p.c. tan liq.....lb.	.06½	.07
Common.....lb.	.05½	.05¾
Cubes, Singapore.....lb.	.07	.07½
Hemlock, 25 p.c. tan works..lb.	.04	.04½
Larch, 25 p.c. tan.....lb.	.03¾	.04
Crystals, 50 p.c. tan.....lb.	.08	.08½
Mangrove, 55 p.c. tan.....lb.	.06½	.06¾
Myrobalans, liq., 25 p.c.tan..lb.	.05	.05½
Solid, 50 p.c. tan.....lb.	.06½	.06¾
Oak Bark, liquid, 23-25 p.c.tan..lb.	.05	.05½
Tanks.....lb.	.04½	.04¾
Quebracho, liquid, 35 p.c. tks..lb.	.03½	.03¾
Barrels.....lb.	.04	.04½
25 p.c. tan, bleaching.....lb.	.04½	.05
Solid, 65 p.c. tan ordinary..lb.	.04½	.04¾
Clarified.....lb.	.05	.05½
Spruce, liquid, 25 p.c. tan, works, tanks.....lb.	.01	.01½
Powd., 50 p.c. tan.....lb.	.02	.02½
Sumac, liquid.....lb.	.07	.08

Animal and Fish Oils

(Carloads)		
Cod Newfoundland.....gal.	.60	.62
Tanks.....gal.	.55	.56
Domestic, prime.....gal.	—	—
*Degras American.....lb.	.04½	.04¾
English.....lb.	.04¾	.05
Neutral.....lb.	.06	.07

*Herring, N.Y. bbls.....gal.	.44	.45
Horse.....lb.	.04½	.04¾
Lard prime, tech.....lb.	.10½	.10¾
Edible.....lb.	—	.14½
Off prime.....lb.	—	.10¾
No. 1.....lb.	—	.09½
Extra, No. 1.....lb.	—	.09¾
No. 2.....lb.	—	.09
Menhaden, Light strained..gal.	.56	.58
Yellow, bleached.....gal.	.58	.60
Extra, bleached, winter..gal.	.60	.62
Blown.....gal.	.65	.68
*Crude, f.o.b. works, bbls.gal.	—	—
*Tanks, wks.....gal.	—	—
Neatsfoot, 20 deg.....lb.	—	.24
30 deg., cold test.....lb.	—	.18
Pure.....lb.	—	.18
Oleo Oil, No. 1.....lb.	—	.10¾
No. 2.....lb.	—	.09¾
No. 3.....lb.	.08	.08½
Red Distilled.....lb.	—	.08½
Saponified.....lb.	—	.08½
Salmon, tanks, Coast.....gal.	.33	.34
Sod.....gal.	—	.44
Sperm bleached winter		
38 deg., cold test.....gal.	—	1.69
45 deg., cold test.....gal.	—	1.64
Stearic Acid, single pressed..lb.	.09	.09½
Double pressed.....lb.	—	.09½
Triple pressed.....lb.	—	.11
Tallow acidless, tanks.....lb.	—	.09½
Barrels, c.l.....lb.	—	.10
Whale, natural winter.....gal.	—	.70
Bleached, winter.....gal.	—	.75
Crude, No. 1 tanks, Coast..lb.	.05	.05½
No. 2.....lb.	—	—

Greases, Lards, Tallowes

(New York Markets)		
Grease, Choice White.....lb.	—	.08
Yellow.....lb.	.05½	.06
Brown.....lb.	.05	.05½
House.....lb.	.05½	.05¾
Bone Naphtha.....lb.	.04½	.05

Lard City, Steam.....lb.	.10¾	.11
Compound.....lb.	.12¾	.13
Stearine, lard.....lb.	.13	.13½
Oleo.....lb.	—	.08¾
Tallow, edible.....lb.	—	.08
City, Extra, loose.....lb.	—	.06¾

(Chicago Markets)

Tallow, edible.....lb.	.07½	.07½
City Fancy.....lb.	.07	.07½
Prime Packers.....lb.	.06¾	.07
Grease, Choice White.....lb.	.06	.06
"B" White.....lb.	.05¾	.05¾
Yellow.....lb.	.04¾	.05
Brown.....lb.	—	.04¾
Bone.....lb.	—	.04¾
House.....lb.	.04¾	.05
Stearine, prime Oleo.....lb.	.08¾	.09
Lard.....lb.	.10	.10½

Vegetable Oils

Castor, No. 1, bbls.....lb.	—	.12
Cases.....lb.	—	.13
No. 3.....lb.	—	.11
China Wood Oil, bbls.....lb.	.14	.14½
*Coast, bbls.....lb.	.12	.12½
Orient to N. Y., bbls.....lb.	—	.12
Coconut Dom., Ceylon, bbls..lb.	.08½	.09
*Tanks, Spot.....lb.	.08	.08½
Cochin, bbls., Dom.....lb.	.09½	.10
*Tanks.....lb.	.08½	.09
Manila, tanks, coast.....lb.	.07½	.07½
Edible.....lb.	.10¾	.11
Copra, c.i.f., N. Y.....lb.	—	.04¾
Corn, refined, bbls.....lb.	—	.13¾
Crude Tanks Shipping pt..lb.	.09½	.09¾
Barrels.....lb.	.10¾	.11
Crude, bbls., N. Y.....lb.	—	.11½
*Cottonseed, Crude, f.o.b. mills in buyers' tanks.....lb.	—	.10
Prime Summer, Yel. bbls..lb.	.11½	.11¾
*White.....lb.	—	.12
Winter, yellow.....lb.	—	.12½

*Nominal

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10 barrel lots.....gal.	—	— .93
Boiled, 5-bbl. lots.....gal.	—	— .95
Double boiled.....gal.	—	— .96
Raw, tanks.....gal.	—	— .86
Imported, spot bbls.....gal.	.85	— .87
Olive, denatured.....gal.	1.12	— 1.15
Edible.....gal.	1.80	— 2.10
*Foots, Spot, bbls.....lb.	.0834	— .0914
Shipment, bbls.....lb.	.0812	— .09
Palm Lagos, casks.....lb.	.0712	— .08
Bonny Old Calabar.....lb.	.0714	— .0714
Niger.....lb.	.0614	— .0614
Palm Kernel, domestic.....lb.	—	—
Imported.....lb.	.09	— .0914
Peanut Oil, refined.....lb.	.13	— .1314
Crude, f.o.b. mills tanks.....lb.	.1014	— .1014
*Oriental, coast, tanks.....lb.	—	—
*Crude, bbls., spot.....lb.	—	— .1114
Perilla, c.i.f. N. Y., bbls.....lb.	.1212	— .1214
Bbls., N. Y.....lb.	.1312	— .14
Poppy Seed.....gal.	—	— 2.50
Rapeseed, ref'd bbls.....gal.	.83	— .85
Blown, bbls., 8 lbs.....gal.	.92	— .95
Sesame, domestic, edible.....gal.	1.10	— 1.15
*Imported.....lb.	—	—
Soya Bean, tanks Coast, Maylb.	—	— .11
C.i.f. in Bond.....lb.	—	—
New York, bbls., crude.....lb.	—	— .1114
Edible.....lb.	.13	— .1314
Teaseed, crd., bbls.....lb.	.12	— .1214
Walnut, Crude.....lb.	.0914	— .10

OIL CAKE AND MEAL

Cottonseed Cake, f.o.b. Texas..	—	—
f.o.b. New Orleans.....	—	—
Cottonseed, Meal, f.o.b. Atlanta	—	—33.00
Columbia.....	—	—
New Orleans.....	—	—
Corn Cake.....short ton	—	—
Meal Chicago.....short ton	—	—30.00
Linseed cake, dom.....short ton	52.00	—54.00
Linseed Meal.....short ton	54.00	—56.00
*Nominal	—	—

Naval Stores

(Carloads ex-yard)

Spirits Turpentine, in bbls.gal.	.95	— .96
Wood Turpentine, steam dis-	—	—
tilled, bbls.....gal.	—	—
Dest active distilled, bbls.gal.	—	—
Pitch Prime.....bbl.	—	— 6.00
Rosins, B.....	—	— 5.15
D.....	—	— 5.25
E.....	—	— 5.30
F.....	—	— 5.30
G.....	—	— 5.30
H.....	—	— 5.30
I.....	—	— 5.35
K.....	—	— 5.40
M.....	—	— 5.75
N.....	—	— 6.25
WG.....	—	— 6.86
WW.....	—	— 7.25
Rosin Oil, first run.....gal.	.36	— .37
Second run.....gal.	.38	— .39
Tar, kiln-burnt.....bbl.	—	— 10.00
Retort.....bbl.	—	— 9.00

Fertilizer Materials

*Ammon. Sulf. bulk, wks. 100 lbs.	3.40	— 3.45
Double bgs., f.a.s., N.Y. 100 lbs.	3.60	— 3.65
Blood, dried, f.o.b. N.Y.....unit	3.65	— 3.70
Bone, 3 and 50, ground, raw, ton	28.00	— 30.00
Raw, Chicago.....ton	—	— 25.00
Cyanamide wks.....unit	—	— 2.75
Fish Scrap, dom., dried, f.o.b.	—	—
works.....unit	3.50	& .10
Nitrate Soda.....100 lbs.	2.80	— 2.85
Tankage, high-grade, f.o.b.	—	—
Chicago.....unit	3.65	& .10
Ground, N. Y.....unit	3.75	& .10

Phosphate Rock—F.o.b. Mines

Florida pebble, 68-78 p.c.....ton	3.00	— 5.50
Tennessee, 70-75 p.c.....ton	4.00	— 5.50
Phosphate, Acid, 16 p.c.wks.ton	8.00	— 8.50
Potassium muriate, 80 p.c.unit	.60	— .65
Sulfate.....unit	—	— 1.00
Steamed Bone Meal, N.Y.....ton	28.00	— 30.00

Metals

Aluminum 98-99% Virgin.....cwt.	17.50	— 18.50
Remelted, Scrap.....cwt.	.0814	— .09
Antimony, Jap. & Chinese.....cwt.	5.35	— 5.40
Blamuth, (See Fine Chemical Prices)	—	—
Cadmium.....lb.	1.00	— 1.10
Cobalt.....lb.	3.00	— 3.25
Copper prime Lake.....cwt.	—	— 13.00
Electrolytic.....cwt.	—	— 13.00
Casting.....cwt.	—	— 12.50
Graphite, crude, Amorphous.....ton	18.00	— 45.00
Flake.....lb.	.04	— .06
Iridium.....oz.	150.00	— 160.00
Lead, N. Y.....cwt.	—	— 5.35
Magnesium, 99 p.c.....lb.	—	— 1.25
Manganese ore.....unit	.2514	— .26
Mercury.....flask	\$5.00	— \$7.00
Nickel Ingot.....cwt.	—	— 36.00
Shot.....cwt.	—	— 37.00
Electrolytic.....cwt.	—	— 39.00
Palladium.....oz.	51.00	— 55.00
Platinum, pure.....oz.	—	— 90.00
Silver.....oz.	—	— .9914
Foreign.....oz.	—	— .6914
Tin Straits.....cwt.	—	— 30.75
American, Standard.....cwt.	—	— 30.50
99 p.c. pure.....cwt.	—	— 30.25
Tungsten, ore per short ton unit	—	—
Wolframite, Chinese.....	—	— 2.00
Bolivian.....	2.75	— 3.00
Scheelite, Amer.....	—	—
Japanese.....	—	—
Zinc (Spelter) Shipment.....cwt.	—	— 5.35
Spot.....cwt.	—	— 5.30

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No. 3.....lb.	.70	— .72
Agaric, white.....lb.	1.35	— 1.50
Almonds, bitter, 28 lb. bxs.....lb.	.25	— .30
Sweet.....lb.	.30	— .35
Meal.....lb.	.28	— .30
Ambergris, black.....oz.	—	8.00
Grey.....oz.	—	25.00
Areca Nuts.....lb.	.08	— .08½
Powdered.....lb.	—	.12
Arrowroot, Amer. powd.....lb.	.05	— .06
St. Vincent, powd., bbls.....lb.	.08	— .09
Balm of Gilead Buds.....lb.	.40	— .45
Burgundy Pitch, Dom.....lb.	—	.05
Cantharides, Chinese, cases.....lb.	1.05	— 1.10
Powdered.....lb.	1.25	— 1.30
Russian, whole.....lb.	—	5.00
Powdered.....lb.	—	5.00
Cascara Amarga, 150 lb. bales.....lb.	—	.40
Castoreum.....lb.	—	4.00
Charcoal Willow, pd. bbls.....lb.	.06	— .07
Wood, powdered.....lb.	.04	— .04½
Civet.....oz.	2.75	— 3.00
Cochineal, U.S.P.....lb.	.40	— .50
Colocynthis, Apples.....lb.	.24	— .25
Pulp, U.S.P.....lb.	.37	— .40
Spanish Apples.....lb.	.28	— .30
Cuttlefish Bone, Trieste.....lb.	.18	— .20
Jewelers, large.....lb.	.60	— .70
Small.....lb.	.60	— .70
French.....lb.	.18	— .20
Powdered.....lb.	—	.14
Dragon's Blood, Mass.....lb.	.50	— .55
Reeds.....lb.	.68	— .70
Ergot, Russian.....lb.	1.05	— 1.10
Spanish, 200 lb. bags.....lb.	1.05	— 1.10
Grains of Paradise.....lb.	.12	— .13
Guarana.....lb.	—	.80
Honey Calif.....lb.	—	.11

Hops, N. Y., prime.....lb.	.23	— .25
Pacific Coast, prime.....lb.	.23	— .25
Isinglass, American (see Agar Agar)		
Russian.....lb.	—	10.00
Kamala.....lb.	—	3.25
Kola Nuts, 150 lb. bags.....lb.	.04	— .05
Leeches.....C.	5.00	— 6.00
Lime Juice, clarified.....gal.	.50	— .60
Lupulin.....lb.	—	1.25
Lycopodium, 22 lb. boxes.....lb.	1.00	— 1.10
Manna, large flake.....lb.	—	.85
Small flake.....lb.	.50	— .52
Sorts.....lb.	—	.45
Moss, Iceland.....lb.	.07	— .08
Irish, Bleached.....lb.	.07	— .09
Musk, pods, Cabardine.....oz.	16.00	— 17.00
Tonquin.....oz.	17.00	— 19.00
Grain, Cab.....oz.	25.00	— 26.00
Tonquin.....oz.	32.00	— 33.00
Synthetic, See Aromatic Chemicals		
Nutgalls, Chinese.....lb.	.16	— .17
Aleppy.....lb.	.13	— .14
Nux Vomica, buttons, bgs.....lb.	.06	— .07
Powdered, bbls.....lb.	.10	— .11
Quassia Chips.....lb.	.08	— .08½
Sandalwood, Chips.....lb.	—	.35
Ground.....lb.	—	.40
Scammony, resin.....lb.	—	1.25
Spermaceti, blocks.....lb.	.30	— .31
Storax, liquid, artif.....lb.	.75	— .80
Gen., U.S.P.....lb.	—	1.30
Tamarinds, bbls.....lb.	.03	— .03½
Kegs.....per keg	2.75	— 3.00
Tar, Barbadoes.....gal.	1.25	— 1.35
Turpentine, Venice, True.....lb.	.40	— .42
Artificial.....lb.	.09	— .10
Spirits, See Naval Stores		

BALSAMS

Copaiba, Para.....lb.	.25	— .26
South American.....lb.	.29	— .30
Fir, Canada.....gal.	10.75	— 11.00
Oregon, bbls., cans.....gal.	1.20	— 1.45
Peru.....lb.	2.15	— 2.20
Tolu.....lb.	.50	— .55

BARKS

Angostura.....lb.	.24	— .25
Basswood Bark, pressed.....lb.	.14	— .15
Barberry (tree).....lb.	.25	— .26
Bayberry.....lb.	.10	— .12
Blackhaw of Root.....lb.	.22	— .23
of Tree.....lb.	.15	— .16
Buckthorn.....lb.	.06½	— .07
Calisaya.....lb.	.18	— .20
Canella alba.....lb.	.50	— .55
Cascara Sagrada.....lb.	.11	— .15
Cascarilla, quills.....lb.	.30	— .35
Siftings.....lb.	.20	— .25
Chestnut.....lb.	.08½	— .09
Cinchona, Red quills.....lb.	.45	— .55
Broken.....lb.	.15	— .20
Yellow U.S.P.....lb.	.16	— .18
Condurango, 75 lb. bales.....lb.	.08	— .09
Cotton Root.....lb.	—	.14
Cramp (so-called).....lb.	.08	— .09
Cramp (true).....lb.	.40	— .42
Dogwood, Jamaica.....lb.	.09	— .11
Elm, Select 5 lb. bundles.....lb.	.23	— .25
Grinding.....lb.	.12	— .14
Powdered.....lb.	.14	— .15
Fringe Tree.....lb.	.20	— .21
Hemlock.....lb.	.45	— .06
Lemon Peel.....lb.	.08½	— .09
Mezereon.....lb.	.10	— .11
Oak, red.....lb.	.05	— .06
White.....lb.	.05	— .06

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Crude Drugs

Orange Peel, bitter.....lb.	.05½	.06
Sweet05	.05½
Prickly Ash, Southern.....lb.	.15	.15½
Northern .....	.15	.15½
Pomegranate of Root .....	.16	.17
of Fruit .....	.16	.17
Sassafras, ordinary .....	.10	.14
Select .....	.19	.20
Simaruba .....	.14	.15
Soap, whole, 150 lb. bales.....lb.	.05½	.06
Cut, 125 lb. bags.....lb.	.08½	.09
Crushed, 200 lb. bbls.....lb.	.08½	.09
Powdered .....	.11	.12
Tagalder .....	.05	.05½
Tonga .....	.35	.36
Wahoo of Root .....	.52	.53
of Tree .....	.25	.26
Willow, Black	—	.06
White	—	.15
White Pine Rosed.....lb.	—	.06
White Poplar	—	.04
Wild Cherry.....lb.	—	—
Thin Green Rosed.....lb.	.16	.18
Thick Rosed .....	.10	.12
Thin Natural .....	.09	.10
Thick Natural .....	.06	.07
Witch Hazel	—	.03

BEANS

Calabar	—	.18
Cassia Fistula .....	.08½	.09
Castor .....	.03	.03½
St. Ignatius	—	.22
St. John's Bread.....lb.	.05	.07
Tonka, Angostura	1.20	1.30
Para .....	.80	.90
Surinam .....	.85	.95
Vanilla, Mexican, whole.....lb.	9.00	10.00
Cuts	7.50	8.00
Bourbon	3.00	3.75
South American	7.00	7.25
Tahiti, Yellow Label.....lb.	—	2.10
Green Label	—	2.10

BERRIES		
Cubebs, ordinary, 130 lb.bags.....lb.	.90	.95
XX .....	.95	1.00
Powdered .....	.90	.95
Fish, 100-125 lb. bags.....lb.	.04½	.05
Horse, Nettle, dry .....	.35	.36
Juniper, 125 lb. bags.....lb.	.03¾	.04
Laurel	—	.08
Poke	—	.16
Prickly Ash .....	.11	.12
Raspberries, dried .....	.35	.40
Saw Palmetto .....	.12	.13
Sloe .....	.14	.15

FLOWERS

Arnica .....	.09½	.10
Borage	—	.25
Calendula Petals, Imp.....lb.	—	.50
Chamomile, Hung.150-200lb.cs.....lb.	.30	.35
Roman	—	.80
Clover Tops	—	.10
Dogwood	—	.15
Elder .....	.23	.24
Insect, open whole	—	.38
Closed whole	—	.40
Powdered, Pure, 110 lb. kegs.....lb.	.53	.55
Flowers and stems, 50 p.c.lb.	.33	.35
Koussou	—	1.10
Lavender .....	.25	.40
Linden, with Leaves.....lb.	.10	.11
Without Leaves .....	.20	.21
Malva, blue	—	.35
Black	—	—
Mullein	—	.60
Orange .....	.45	.50
Poppy, red .....	.40	.50
Rose petals, pale, red.....lb.	.25	.65
Rosemary .....	.28	.30
Saffron, American	1.10	1.15
Valencia	27.00	28.00
Violet	—	.70
Tilia (see Linden)	—	—

GUMS

Aloes, Barbados	—	.50
Cape, 400 lb. cases.....lb.	.07½	.08
Curacao, 100 lb. cases.....lb.	.07	.07½
Socrotine, whole	—	.40
Ammoniac, tears	1.50	1.60
Arabic, firsts .....	.22	.24
Seconds .....	.19	.21
Sorts Amber, 220 lb. bags.....lb.	.11	.11½
Powdered, U.S.P. ....lb.	.18	.20
Asafetida, whole, U.S.P.....lb.	.30	.32
Powdered, 180 lb. bbls.....lb.	.52	.54
Benzoin, Slam	1.40	1.60
Sumatra	—	.50
Camphor, ref., See Fine chem. list	—	—
Catechu	—	.10
Chicle .....	.60	.75
Damar .....	.30	.32
Euphorbium	—	.35
Powdered	—	.55
Galbanum	1.10	1.20
Gambier .....	.06¼	.07
Gamboge	1.25	1.35
Guaiac .....	.40	.50
Karaya, Powdered .....	.15	.20
Kino, Black	—	.50
Mastic .....	.45	.50
Myrrh, Select .....	.42	.45
Sorts .....	.35	.38
Olibanum, sift. 280 lb. case.....lb.	.10	.10½
Tears, 280 lb. case.....lb.	.15	.20
Opium, See fine chem. list	—	—
Sandarac .....	.23	.25
Scammony Resin	1.35	1.40
Senegal, picked .....	.15	.16
Spruce	1.00	1.50
Storax, Tech. cases, See Misc'l. Drugs	—	—
Thus	—	.06
Tragacanth, Aleppo first.....lb.	2.00	2.15
No. 2 to No. 6.....lb.	1.00	1.75
Powdered75	1.50
Turkish75	.90

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Second Orange	lb.	.80 — .82
T. N.	lb.	.78 — .79
Ground reg.	lb.	.89 — .90
Regular bleached	lb.	.91 — .92
Bone Dry	lb.	.93 — .94
LEAVES AND HERBS		
Aconite	lb.	.26 — .27
Balmoney	lb.	.14 — .15
Belladonna	lb.	.10 — .13
Boneset, leaves and tops	lb.	— .09
Buchu, Short, 250 lb. bales	lb.	.85 — .92
Long		
Cannabis, true, imported	lb.	— —
American (no assay)	lb.	— .20
U.S.P.	lb.	— .30
Catnip	lb.	.10 — .15
Chestnut	lb.	— .06
Chiretta	lb.	— .20
Coca, Huanuco	lb.	— —
Truxillo	lb.	— .35
Coltsfoot	lb.	.07 — .07½
Corn Silk, 200 lb. bales	lb.	.05 — .05½
Damlana	lb.	.09 — .10
Deer Tongue	lb.	.07½ — .08
Digitalis	lb.	.08 — .09
Eucalyptus	lb.	.05 — .05½
Euphorbia Pilulifera	lb.	.10 — .12
Grindelia Robusta	lb.	.09 — .10
Henbane	lb.	— .60
Henna	lb.	.17 — .18
Horehound	lb.	.08 — .09
Horsetail	lb.	.14 — .15
Jaborandi	lb.	.35 — .40

Laurel	lb.	.03½ — .04
Life Everlasting	lb.	.05 — .06
Liverwort	lb.	— .25
Lobelia	lb.	.08½ — .09
Matico	lb.	— .20
Marjoram, German	lb.	.22 — .23
French	lb.	.12 — .15
Motherwort Herb	lb.	— .11
Patchouli	lb.	.25 — .28
Pennyroyal	lb.	.08 — .14
Peppermint, American	lb.	.20 — .22
Plchi	lb.	— .10
Prince's Pine	lb.	.14 — .15
Plantain	lb.	— .15
Pulsatilla	lb.	— .50
Queen of the Meadow	lb.	.06 — .06½
Rosemary	lb.	.03 — .04
Rue	lb.	— —
Sage, Dalmatian	lb.	.05½ — .06½
Greek	lb.	.03 — .04
Spanish	lb.	.03 — .04
Savory	lb.	.10 — .10½
Senna, Alex. whole, cases	lb.	.32 — .35
Half Leaf, 350 lb. bales	lb.	.15 — .16
Siftings	lb.	.09 — .09½
Powdered	lb.	.12 — .13
Tinnevely, Jobbing	lb.	.10 — .12
Grinding	lb.	.04 — .06
Pods	lb.	.06 — .06½
Powdered	lb.	.08 — .09
Sideritis, cut	lb.	.14 — .15
Skullcap, Western	lb.	— .20
Spearmint, American	lb.	— .24
Squaw Vine	lb.	.14 — .15
Stramonium	lb.	.08½ — .09
Tansy	lb.	.16 — .18
Thyme Spanish	lb.	.07½ — .08
French	lb.	.08½ — .09
Uva Ursi	lb.	— —
Witch Hazel	lb.	.08 — .09
Wormwood, imported	lb.	.10 — .12
Yerba Santa	lb.	.11 — .12

ROOTS		
Aconite, U.S.P.	lb.	.22 — .24
Aletris (Unicorn true)	lb.	.30 — .32
Alkanet	lb.	.10 — .12
Althea, cut	lb.	.13 — .14
Whole	lb.	.08 — .10
Angelica American	lb.	.15 — .16
Arnica	lb.	.25 — .26
Bamboo Brier	lb.	.04 — .05
Bearsfoot	lb.	.04½ — .05
Belladonna	lb.	.11 — .13
Berberis Aquifolium	lb.	.17 — .18
Beth	lb.	.17 — .18
Blood	lb.	.14 — .15
Blueflag	lb.	.24 — .26
Bryonia	lb.	.10 — .12
Burdock	lb.	.12 — .13
Calamus, bleached	lb.	— .45
Unbleached, natural	lb.	.10 — .11
Cohosh, black	lb.	.07 — .08
Blue	lb.	.08 — .09
Colchicum	lb.	.13 — .15
Colombo, whole	lb.	.03 — .04
Comfrey	lb.	.20 — .22
Culver's	lb.	.17 — .18
Cranesbill	lb.	.12 — .13
Dandelion, Imported	lb.	.07½ — .08
Doggrass, U.S.P., cut	lb.	.09 — .10
Echinacea	lb.	.34 — .35
Elecampane	lb.	.09 — .10
Galangal	lb.	.07 — .08
Gelsemium	lb.	.11 — .12
Gentian	lb.	.08 — .09

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Seeds and Spices

Ginger, Jamaica, (see Spices)		Serpentaria	lb. .90 — 1.00	Foenugreek, 200 lb. bags....	lb. .03 1/4 — .04
Ginseng, Cultivated	lb. 1.50 — 3.00	Skunk Cabbage	lb. .18 — .20	Hemp, Manchurian	lb. .04 — .04 1/2
Northwestern wild	lb. 7.00 — 9.00	Snake, Canada natural	lb. — .30	Chilian	lb. — —
Southern wild	lb. 6.00 — 8.00	Stripped	lb. — .45	Job's Tears, white	lb. .07 1/2 — .08
Golden Seal	lb. — 3.15	Spikenard	lb. .17 — .18	Lobelia	lb. — .22
Powdered	lb. 3.55 — 3.75	Squill, white	lb. .04 — .04 1/2	Millet, Dom. yellow.....	lb. .03 — .03 1/2
Hellebore, Black, Powd.....	lb. — .20	Stillingia	lb. .09 — .09 1/2	Mustard, Bari, Brown.....	lb. .06 — .06 1/2
White	lb. — .12	Stone	lb. — .10	Bombay, Brown	lb. — .06
Powdered, 250 lb. bbls.....	lb. — .14	Turmeric Madras	lb. .06 — .06 1/2	California, Brown	lb. .05 1/4 — .06 1/2
Helonias (Unicorn false).....	lb. .45 — .48	Aleppy	lb. .06 — .06 1/2	Yellow	lb. — .06 1/4
Ipecac Cartagena	lb. 1.70 — 1.75	China	lb. .06 — .06 1/2	Chinese, Yellow	lb. .03 1/4 — .04
Powdered	lb. 1.90 — 2.10	Unicorn false, See Helonias		English, Yellow	lb. .06 1/2 — .07
Rio whole	lb. 1.60 — 1.65	True, See Aletris	lb. — .09	Danish, Yellow	lb. .06 1/4 — .06 1/2
Powdered	lb. 1.90 — 2.00	Valerian, Belgian	lb. — .12	Dutch, Yellow	lb. .06 1/4 — .06 1/2
Jalap, whole, 150 lb. bales.....	lb. .16 — .18	Yellow Dock	lb. — .20	Parsley	lb. .11 — .12
Powdered, U.S.P.	lb. .22 — .24	Yellow Parilla	lb. — .20	Poppy, Dutch	lb. .14 — .14 1/2
Kava Kava	lb. — .17	Zedoary	lb. .05 1/2 — .06	Turkish	lb. .06 — .08
Lady Slipper	lb. .65 — .70			Blue Indian	lb. .08 — .08 1/2
Licorice, *Russian, cut	lb. — —			White Indian	lb. .07 — .07 1/2
Spanish natural bales.....	lb. .06 1/4 — .07			Pumpkin	lb. .14 — .15
Selected	lb. .22 — .28			Quince	lb. — 1.35
Powdered, 250 lb. bbls.....	lb. .083 1/4 — .09 1/2			Rape South Amer.....	lb. .05 — .05 1/2
Lovage	lb. .38 — .45			Dutch	lb. .07 — .07 1/2
Manaca	lb. — .20			Japanese, small	lb. .06 1/4 — .07
Mandrake	lb. .12 — .13			Sabadilla	lb. — .10
Musk, Russian	lb. — —			Stavesacre	lb. — .35
Orris, Florentine bold.....	lb. .07 — .08			Stramonium	lb. .13 — .14
Verona	lb. .05 — .06			Strophanthus, Hispidus	lb. — —
Powdered	lb. .08 — .10			Kombe	lb. — .35
Fingers	lb. .75 — .80			Sunflower, domestic	lb. .06 — .06 1/2
Pareira Brava	lb. .23 — .25			South American	lb. .04 1/2 — .05
Pink true	lb. .75 — .80			Worm, American	lb. .10 — .11
Pleurisy	lb. .23 — .24			*Levant	lb. — 2.25
Poke	lb. .07 — .07 1/2				
Rhatany	lb. .10 — .11				
Rhubarb, H. D., 350 lb. cases.....	lb. .65 — .70				
Powdered, 225 lb. bbls.....	lb. .75 — .80				
Sarsaparilla, Honduras	lb. .48 — .50				
Mexican	lb. .40 — .42				
Scammony Root	lb. .65 — .06				
Senega	lb. 1.00 — 1.25				

SEEDS

Anise, Levant	lb. .14 — .14 1/2	Fennel, French	lb. .11 1/2 — .12
Star	lb. .17 — .17 1/2	German	lb. .12 — .13
Spanish	lb. .17 — .17 1/2	Flax, whole, 180 lb. bbl.....	ca. — 12.50
Annatto	lb. .03 — .03 1/2	Ground	lb. .06 1/2 — .07
Canary, Morocco	lb. .06 — .06 1/2		
South American	lb. .04 — .04 1/2		
Caraway, African	lb. — —		
Dutch, 100 lb. bags	lb. .09 — .09 1/2		
Cardamom, bleached	lb. .65 — 1.10		
Decorticated	lb. .49 — .50		
Green, Grind.	lb. .35 — .37		
Celery, 220 lb. bags.....	lb. .23 — .24		
Colecium	lb. .14 — .16		
Conium	lb. .15 — .16		
Coriander, Bombay	lb. — —		
Morocco, Unbleached	lb. .05 1/2 — .06		
Bleached	lb. .08 1/2 — .09		
Cumin, Levant	lb. — —		
Morocco	lb. .16 1/2 — .17		
Dill	lb. .05 1/2 — .06		
Fennel, French	lb. .11 1/2 — .12		
German	lb. .12 — .13		
Flax, whole, 180 lb. bbl.....	ca. — 12.50		
Ground	lb. .06 1/2 — .07		

SPICES

Cassia Buds, 66 lb. cs.....	lb. .10 — .15
China, Selected	lb. .05 1/2 — .07
Saigon, assortment	lb. .23 — .25
Cinnamon, Ceylon	lb. .18 — .19

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Essential Oils

Cloves, Zanzibar, 135 lb. bale.	lb.	.29 1/4	.30
Amboynas	lb.	—	—
Penang	lb.	.60	.65
Ginger, African	lb.	.09 1/2	.10
Jamaica, grinding	lb.	.34	.35
Japan	lb.	.08 1/2	.10
Cochin ABC and lemon	lb.	.09 1/4	.10
Mace, Siaw	lb.	.36	.37
Banda, No. 1	lb.	.44	.45
Batavia	lb.	.29	.30
Nutmegs, 110s	lb.	.21	.22
75s-80s	lb.	.27	.28
Paprika	lb.	.15	.20
Pepper, Black Sing.	lb.	.10 1/2	.11
White	lb.	.13 1/2	.14
Peppers, Red, Mombasa	lb.	.32	.33
Cherries	lb.	.18	.18 1/2
Bombay	lb.	.15 1/2	.16
Japan	lb.	.37	.38
Pimento, Select	lb.	.04 1/2	.04 3/4

WAXES

Bayberry	lb.	.19 1/2	.22
Bees, white	lb.	.35	.39
Yellow, refined	lb.	.23	.26
Crude	lb.	.17	.19
Candelilla	lb.	.24	.25
Carnauba, Flor.	lb.	.45	.48
No. 1, North Country	lb.	.44	.46
No. 2, North Country	lb.	.25	.26
No. 3, Fatty Gray	lb.	.15	.16
No. 3, Chalky	lb.	.14 1/2	.15
Ceresin Yellow, 200 lb. bags	lb.	.07 1/2	.08 1/2
White	lb.	.09	.10
Japan, 200 lb. cases	lb.	.16 1/2	.17
Montan, crude	lb.	.04 1/2	.05
*Bleached	lb.	.22	.24
Ozokerite, brown, hard	lb.	.22	.24
Green, hard	lb.	.25	.26
Refined, yellow	lb.	—	—
Paraffin, ref'd 128-130 deg.m.p.	lb.	.03 1/4	.04 1/4
Ref'd 118-120 deg.	lb.	.03 1/4	.03 1/2
Stearic Acid, See Animal Oils			

*Nominal

Essential Oils

Almond, Bitter, U.S.P.	lb.	4.75	— 5.00
Bitter, f.f. P.A.	lb.	5.25	— 5.50
Artificial, U.S.P., See Aromatic Chems.			
Sweet	lb.	.50	— .60
Peach Kernel (Apricot)	lb.	.25	— .27
Amber, Crude	lb.	1.00	— 1.05
Rectified	lb.	1.25	— 1.30
Angelica	lb.	40.00	— 41.00
Anise Tech., 16 2-3 lb. cans.	lb.	.50	— .53
U. S. P.	lb.	.60	— .65
Bay	lb.	2.25	— 2.30
Bergamot, 25 lb. coppers	lb.	4.50	— 4.75
Artificial	lb.	2.50	— 2.75
Birch Tar, Rect.	lb.	—	— 2.75
Crude	lb.	—	— 1.85
Bois de Rose	lb.	2.75	— 3.25
Cade	lb.	.50	— .60
Cajuput, Native	lb.	.70	— .80
U.S.P.	lb.	.75	— .85
Calamus	lb.	4.75	— 5.00
Camphor, by-product	lb.	.11 1/2	— .12
Japanese white	lb.	.19	— .20
Cananga, Native	lb.	2.75	— 3.00
Rectified	lb.	3.50	— 4.00
Caraway, Rectified	lb.	2.25	— 2.40
Crude	lb.	1.90	— 2.10
Cardamom, U.S.P.	lb.	13.00	— 14.00
Carvol	lb.	3.15	— 3.25
Cassia Technical, 75-95 p.c.	lb.	1.20	— 1.40
Redistilled, U.S.P.	lb.	1.60	— 1.65
Cedar Leaf, 50 lb. cans.	lb.	.90	— .95
Cedar Wood, light	lb.	.28	— .30
Celery	lb.	9.00	— 10.00
Cinnamon, Ceylon, heavy	lb.	11.00	— 12.00
Leaf	lb.	—	— 2.00
Citronella, Ceylon	lb.	.53	— .64
Java	lb.	—	— .75
Cloves, 50 lb. cans.	lb.	2.00	— 2.05
Bottles, 5 lbs.	lb.	2.10	— 2.15
Copaiba, U.S.P.	lb.	.40	— .45
Coriander, U.S.P.	lb.	8.50	— 9.00
Croton, 25 lb. tins	lb.	—	— 1.10
Cubebs, U.S.P., 5 lb. bot.	lb.	6.50	— 6.75

Cumin	lb.	4.50	— 4.75
Dill	lb.	—	— 4.00
Erigeron	lb.	1.75	— 1.90
Eucalyptus, Australian, U.S.P.	lb.	.37	— .40
Fennel, sweet, U.S.P.	lb.	1.65	— 1.70
Geranium, Rose Algerian	lb.	—	— 8.50
Bourbon, (Reunion)	lb.	5.50	— 6.00
Turkish	lb.	—	— 4.25
Ginger	lb.	5.25	— 5.50
Gingergrass	lb.	2.75	— 3.00
Hemlock, 40 lb. cans.	lb.	—	— 1.00
Juniper Berries, rect.	lb.	1.35	— 1.45
Wood	lb.	.50	— .55
Lavender Flowers, U.S.P.	lb.	3.00	— 4.00
Spike, Spanish	lb.	.80	— .90
Lemon, U.S.P., 25 lb. cop.	lb.	.75	— .85
Lemongrass, Native	lb.	.95	— 1.00
Limes, Expressed	lb.	2.85	— 3.00
Distilled	lb.	.50	— .52
Linaloe, 80 lb. cases	lb.	2.50	— 2.75
Mace, distilled	lb.	1.10	— 1.15
Mirbane, ref., see Aromatic Chemicals			
Mustard, natural, 1 lb. bot.	lb.	—	— 17.00
Artificial	lb.	—	— 3.00
Neroli, Bigarade	oz.	8.00	— 20.00
Petal	oz.	10.00	— 25.00
Artificial	lb.	10.00	— 14.00
Nutmeg, U.S.P.	lb.	1.10	— 1.15
Orange, bitter	lb.	2.00	— 2.20
Sweet, West Indian	lb.	2.60	— 2.75
Italian, 25 lb. cop.	lb.	3.10	— 3.25
Origanum, 55 lb. cans.	lb.	.25	— .30
Parsley	lb.	5.00	— 5.50
Patchouli	lb.	9.00	— 11.00
Pennyroyal, domestic	lb.	—	— 1.75
Imported	lb.	1.10	— 1.20
Peppermint, Natural, tins	lb.	1.75	— 2.00
Redistilled, U.S.P.	lb.	1.90	— 2.00
Japanese, thrice rect.	lb.	1.60	— 1.65
Petit Grain, So. America	lb.	1.75	— 1.90
French	lb.	7.50	— 8.00
Pinus Sylvestris	lb.	—	— 1.75
Pumilio, U.S.P.	lb.	—	— 3.00
Rose, French	oz.	—	— 10.00
Bulgarian	oz.	7.50	— 8.00
Artificial	oz.	2.50	— 3.00

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Rosemary, U.S.P.	lb.	.55	—	.60
Tech.	lb.	.40	—	.50
Rue	lb.	3.25	—	3.75
Sandalwood, East Indian	lb.	7.10	—	7.25
West Indian	lb.	—	4.00	—
Sassafras, natural, 50 lb. cans	lb.	—	.85	—
Artificial	lb.	.45	—	.46
Savin	lb.	4.00	—	4.25
Spearmint	lb.	3.00	—	3.10
Spruce, 40 lb. cans	lb.	.85	—	.90
Tansy, Amer.	lb.	—	11.00	—
Tar, bbls.	gal.	.28	—	.30
Refined, U. S. P., cans	gal.	—	1.00	—
Thyme, red, U.S.P.	lb.	1.00	—	1.10
White, U.S.P.	lb.	1.10	—	1.15
Vetivert, Bourbon	lb.	4.75	—	6.00
Java	lb.	17.50	—	18.00
Wine, heavy	lb.	—	2.75	—
Wintergreen, sweet birch	lb.	2.00	—	2.25
Gaultheria Genuine	lb.	7.00	—	8.00
Synthetic, U.S.P., bulk	lb.	.25	—	.40
Wormseed Baltimore	lb.	3.25	—	3.35
Wormseed Dom.	lb.	11.50	—	12.00
Ylang Ylang, Bourbon	lb.	9.00	—	10.00
Manila	lb.	22.50	—	30.00
Artificial	lb.	—	10.00	—

Oleo-resins

Aspidium (Malefern)	lb.	2.75	—	3.00
Capsicum	lb.	2.75	—	3.00
Cubeb	lb.	6.40	—	6.50
Ginger	lb.	2.60	—	2.75
Malefern	lb.	2.75	—	3.00
Mullein (so-called)	lb.	—	4.00	—
Orris	lb.	—	18.00	—
Pepper, black	lb.	4.50	—	5.00
Vanilla	lb.	8.50	—	9.50

Perfumers' Sundries

Almond Meal	lb.	.28	—	.30
Ambergris, black	oz.	—	8.00	—
Ambergris, gray	oz.	—	25.00	—
Bergamot Peel	lb.	—	1.25	—
Chalk, precipitated	lb.	.0234	—	.0334
Civet	oz.	2.75	—	3.00
Lanolin hydrous	lb.	.12	—	.15
Lanolin anhydrous	lb.	.14	—	.15
Musk Cab., pods	oz.	16.00	—	17.00
Musk, Cab., grains	oz.	25.00	—	26.00
Musk, Tonquin, grains	oz.	32.00	—	33.00
Musk, Tonquin, pods	oz.	17.00	—	19.00
Oak Moss	lb.	.40	—	.50
Orris Root, Florentine, whole	lb.	.08 1/2	—	.09
Verona	lb.	—	.07	—
Powdered, Gran.	lb.	.08	—	.12
Rice Starch	lb.	.06	—	.08
Sandalwood, chips and ground	lb.	.35	—	.40
Talc, Italian	ton	38.00	—	40.00
Talc, French	ton	20.00	—	25.00
Talc, domestic	ton	17.00	—	18.00

Aromatic Chemicals

Natural Derivatives

Anethol	lb.	1.75	—	2.50
Borneol	lb.	—	3.50	—
Citronellol	lb.	8.00	—	10.00
Citral	lb.	3.00	—	3.50
Eucalyptol	lb.	.80	—	.82
Eugenol	lb.	3.25	—	3.50
Geraniol	lb.	2.50	—	3.25
Iso-Eugenol	lb.	4.00	—	4.25
Linalool	lb.	4.50	—	5.50
Menthhol	lb.	5.75	—	6.00
Rhodinol	lb.	13.00	—	15.00
Safrol	lb.	.55	—	.60

Synthetic Aromatics

Acetophenone, C.P.	lb.	3.50	—	4.00
Amyl Acetate, C.P.	lb.	.50	—	.75
Amyl Butyrate	lb.	2.00	—	2.10
Amyl Formate	lb.	1.75	—	2.00
Amyl Salicylate, 100 lb. chys.	lb.	1.25	—	1.40
Anisic Aldehyde	lb.	4.00	—	4.25
Benzaldehyde, U.S.P.	lb.	1.35	—	1.40
Free From Chlorine	lb.	1.60	—	1.75
Benzyl Acetate	lb.	1.20	—	1.25
Benzyl Alcohol	lb.	1.10	—	1.25
Benzyl Benzoate	lb.	1.35	—	1.50
Benzyl Formate	lb.	3.50	—	3.75
Bromstyrol	lb.	—	4.50	—
Citronellal	lb.	—	2.00	—
Cinnamic Acid	lb.	2.75	—	3.00
Cinnamic Alcohol	lb.	24.00	—	25.00
Cinnamic Aldehyde	lb.	3.25	—	4.00
Citronellol	lb.	1.75	—	2.00
Coumarin	lb.	—	3.00	—
Diethyl Phthalate	lb.	.85	—	.90
Diphenylloxide	lb.	.80	—	.85
Ethyl Cinnamate	lb.	5.00	—	5.50
Geranyl Acetate	lb.	5.25	—	5.50
Hellotropin	lb.	2.75	—	3.00
Indol, C. P.	oz.	10.00	—	11.00
Linalyl Acetate	lb.	8.00	—	9.00
Linalyl Benzoate	lb.	14.00	—	15.00
Methyl Anthranilate	lb.	4.25	—	4.50
Methyl Cinnamate	lb.	5.00	—	5.50
Methyl Paracresol	lb.	8.00	—	9.00
Methyl Salicylate	lb.	.35	—	.37
Resale, 50 lb. cases	lb.	.33	—	.34
Mirbane, rect., drums extra	lb.	.10	—	.11
Musk Ambrette	lb.	13.00	—	14.00
Musk Ketone	lb.	9.00	—	10.00
Musk Xylene	lb.	2.25	—	2.75
Nerolin	lb.	2.25	—	2.50
Phenylacetaldehyde	lb.	6.00	—	9.00
Phenylacetic Acid	lb.	2.50	—	3.00
Phenylethylalcohol	lb.	5.00	—	6.00
Terphenyl Acetate	lb.	1.75	—	2.00
Terpineol, C. P.	lb.	.45	—	.50
Vanillin	oz.	—	.50	—
Violet, artificial (Ionone)	lb.	7.50	—	8.00
Yara Yara Crystals	lb.	2.25	—	2.50

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ALBUMIN—Egg, 9 cs., Seral Trading Co., Shanghai; 3 cs., Order, Hankow
ALCOHOLS—100 cs., Suzarte & Whitney, Curacao; 40 cs., Suzarte & Whitney, Curacao; 30 cs., C. F. Hernandez Sons & Co., Curacao

ALUM—84 bbls., Order, Hamburg
AMMONIUM SALTS—100 cs., Order, Hamburg; Persulfate, 20 csk., Brown Bros. & Co., Antwerp

ANNATTO—6 bgs., Huth, Gillespie & Co., Kingston; 116 bgs., Order, Kingston; 235 bgs., Order, Kingston

ANTIMONY—Regulus, 850 cs., Irving National Bank, Shanghai; 700 cs., International Banking Corp., Shanghai

ARGOLS—128 bgs., Tartar Chemical Works, Catania

BARIUM SALTS—Carbonate, 50 csk., Order, Hamburg; 750 bgs., New York Trust Co., Rotterdam; 144 csk., H. Kastor, Rotterdam; Chloride, 43 csk., Order, Rotterdam; 92 bbls., 66 csk., Order, Antwerp; Hydrate, 27 bbls., 42 drs., Order, Hamburg

BARK—16 bls., Cohen & Co., Nassau; Condurango, 20 pkgs., Andean Trading Co., Guayaquil; Siftings, 10 bgs., Cohen & Co., Nassau

BARITES—63 bbls., Order, Rotterdam
BAY RUM—1 bx., S. F. Sola, San Juan; 20 bbls., G. Preston, Arecibo

BEANS—Vanilla, 6 cs., Dodge & Olcott, Guadeloupe; 30 cs., Dodge & Olcott, Vera Cruz; 15 cs., Gomez & Sloan, Inc., Vera Cruz; 6 cs., American Express Co., Bordeaux

BISMUTH METAL—8 cs., Order, Southampton

BLANC FIXE—44 csk., Order, Hamburg
BLEACHING POWDER—282 drs., Order, Hamburg

BRONZE POWDER—17 cs., B. F. Drakenfeld & Co., Bremerhaven; 8 cs., Hensel Bruckmann & Lorbacher, Hamburg

BUTTON LAC—143 bgs., Order, Calcutta

CARBON—243 cs., P. H. Petry & Co., Hamburg; Blocks, 2 csk., Morgan Crucible Co., America, Southampton

CASEIN—167 bgs., Order, Rosario; 1 cse., E. B. Muno, London; 280 bgs., Otterbury Bros., London; 485 bgs., Order, London; 4 bgs., Order, London

CAMPOR—45 cs., Bank of British West Africa, Shanghai; 300 cs., D. L. Moss & Co., Shanghai; Refined, 200 cs., Mitsui & Co., Kobe

CHALK—200 bbls., Bankers Trust Co., Antwerp; 500 bgs., Irving National Bank, Antwerp; 1,016.047 kilos, Order, Dunkirk; 1,050 bgs., Faron Childs & Co., Antwerp; 400 bgs., Luskin & Co., Antwerp

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CLAY—17 csk., J. Goebel & Co., Bremerhaven; 30 bgs., Robert Dollar Co., Singapore; 250 tons, L. Knowles, Bristol; 152 tons, Hammill & Gillespie, Bristol; 151 tons, 92 tons, Moore & Munger, Bristol; Blue, 106 tons, Moore & Munger, Bristol; Burnt, 105 csk., H. A. Robinson & Co., Hull

COLORS—4 bbls., Irving National Bank, Genoa; 4 bbls., Schulz & Ruckgaber, Genoa; 2 bbls., Banca Commerciale, Genoa; 19 bbls., Order, Genoa; 1 cse., A. Hurst & Co., Hamburg; 25 csk., Reichard Coulston, Inc., Hamburg; 4 bbls., U. S. Forwarding Co., Hamburg; 1 csk., Simon & Etting, London; 6 csk., H. A. Metz & Co., Rotterdam; 1 csk., Franklin Import & Export Co., Rotterdam; 4 csk., Emmerich & Co., Rotterdam; 3 csk., Kuttroff, Pickhardt & Co., Rotterdam; 12 csk., Hensel Bruckmann & Lorbacher, Rotterdam; 2 csk., H. A. Metz & Co., Rotterdam; 12 csk., National City Bank, Rotterdam; 4 csk., B. Bernard, Rotterdam; 3 csk., National City Bank, Rot-

terdam; 1 csk., B. Bernard, Rotterdam; 3 csk., 1 cse., Textile Alliance, Rotterdam; 36 csk., Geigy Color Co., Antwerp; 8 csk., 1 cylinder Sandoz Chemical Works, Antwerp; 2 cs., Ambi Industrial Works, Hamburg; 11 cs., M. Grumbacher, Hamburg; 5 cs., American European Bureau, Hamburg; 2 bbls., Irving National Bank, Genoa; 11 bbls., Order, Genoa; 122 pkgs., Ciba Co., Havre; 7 csk., Ladenburg Thalmann & Co., Genoa; 2 bbls., F. B. Vandegrift & Co., Christiania; 2 csk., Fezandie & Sperrle, Hamburg; 5 cs., Favor Ruhl & Co., Hamburg; Alizarine, 14 csk., Kuttroff, Pickhardt & Co., Rotterdam; 1 cse., American Exchange National Bank, Rotterdam; 20 csk., Textile Alliance, Rotterdam; 4 bbls., Irving National Bank, Genoa; Coal Tar, 10 csk., American Exchange National Bank, Rotterdam

COPRA—667 bgs., Equitable Trust Co., Rotterdam; 52 bgs., Franklin Baker Co., Kingston

DEXTRIN—200 bgs., F. G. Hall Trading Corp., Hamburg

EARTH—100 bgs., F. Behrend, Inc., Hamburg; Sienna, 67 bbls., J. Lee Smith, Genoa

EPSOM SALTS—50 bgs., Iscoga Chemical Co., Hamburg

ERGOT—61 bgs., A. Joenson & Co., Antwerp

EXTRACTS—Logwood, 100 csk., American Dyewood Co., Kingston; Malt, 9 csk., T. Nevin, London; Mangrove Bark, 1,000 bgs., Order, Singapore; Quebracho, 1,019 bgs., National Bank of Commerce, Rosario; 497 bgs., McArthur Irwin, Ltd., Buenos Aires; Rennet, 12 bgs., 1 csk., F. B. Vandegrift & Co., Gotherburg; 97 pkgs., F. B. Vandegrift & Co., Christiania; Tamarind, 105 cs., Alps Drug Co., Genoa

GELATINE—200 bgs., Order, Hamburg; 1 cse., Pfaltz & Bauer, Hamburg; 200 bgs., Milligan & Higgins Glue Co., Antwerp; 30 bbls., Bank of New York, London

GLAUBER SALT—1,498 bgs., W. Schall & Co., Hamburg; 400 bgs., Order, Hamburg; 10 csk., Lehn & Fink, Hamburg; 90 bbls., Order, Hamburg

GLUE—200 bgs., W. E. Miller, Antwerp; 13 csk., 93 bbls., British Bank of South America, Antwerp; 5 cs., C. Bergeret, Havre; 20 bbls., 20 csk., Order, Marseilles; 199 bgs., Graham Rowe & Co., Valparaiso

GLUESTOCK—295 bbls., Order, Buenos Aires

GUM—200 bgs., Order, Calcutta; 263 bgs., Irving National Bank, Port Sudan; 263 bgs., National Bank of Egypt, Port Sudan; 54 bgs., B. C. Omon, Co., Port Sudan; 250 bgs., Fidelity International Trust Co., Port Sudan; 550 bgs., Brown Bros. & Co., Port Sudan; 389 bgs., Order, Port Sudan; 118 csk., Smith & Schipper, Auckland; Chiclé, 250 bgs., Order, Ciudad Bolivar; 9 bgs., Gomez & Sloan, Inc., Vera Cruz; 10 bbls., Maillard Coppell & Co., Del Carmen; 8 bbls., I. Kubie & Co., Del Carmen; Copal, 50 cs., National Banking Corp., Singapore; 100 bgs., 100 cs., L. C. Gillespie & Sons, Singapore; 140 cs., 1,173 bskts., 134 bgs., Central Union Trust Co., Macassar; 134 bskts., Far Eastern My Co., Macassar; 252 bskts., Innes & Co., Macassar; 1,380 bskts., 10 bbls., 10 cs., Order, Macassar; 61 cs., Order, Singapore; 1,840 Central Union Trust Co., Antwerp; 410 bgs., National City Bank, Antwerp; Damar, 125 cs., 404 bgs., National Banking Corp., Singapore; 100 cs., L. C. Gillespie & Sons, Singapore; 100 cs., Equitable Trust Co., Batavia; 100 cs., American Exchange National Bank, Batavia; 200 cs., Guaranty Trust Co., Padang; 150 cs., Chase National Bank, Padang; 1 cse., McCarter & Cooper, London; Kauri, 105 cs., 489 csk., Smith & Schipper, Auckland; 255 cs., Bank of Montreal, Auckland; 353 cs., Baring Bros. & Co., Auckland; 282 cs., Mechanics & Metals National Bank, Auckland; Perillo, 226 bbls., W. Wrigley & Co., Puerto Columbia

HELIOTROPIN—5 cs., Morana, Inc., Hamburg

HOPS—170 pkgs., T. Sonnenschein Hop Co., Hamburg; 12 bls., Hensel, Bruckmann & Lorbacher, Bremerhaven

INSECT POWDER—100 bls., McCormick & Co., Kobe

IODINE—48 kgs., Nash Watjen & Bangs, Valparaiso

KAPOC—204 bls., Equitable Trust Co., Sourabaya; 500 bls., Fourth Atlantic National Bank, Sourabaya; 1,331 bls., First National Bank Boston, Samarang; 309 bls., Balfour, Williamson & Co., Samarang; 25 bbls., Fourth Atlantic National Bank Boston Samarang

LEAVES—Buchu, 5 bls., Standard Bank of South Africa, Cape Town; 9 bls., Order, Cape Town; Coca, 55 bls., Maywood Chemical Wrks., South Pacific Ports; Senna, 80 bbls., Anglo Egypt Bank, Port Sudan; Stramonium, 33 bls., Order, Hamburg

LEECHES—4 cs., Midwood Chemical Co., Bordeaux

LIMONIC JUICE—31 cs., Order, Catania

LIME JUICE—450 csk., Order, London; 43 csk., F. B. Vandegrift & Co., Dominica; 2 csk., Van Dyk & Lindsay, Dominica; 1 csk., F. S. Maynard & Son, Dominica; 1 csk., Planters Produce, Dominica; 9 csk., Middleton & Co., Dominica; 27 csk., F. B. Vandegrift & Co., Dominica; 6 csk., A. D. Stearns & Co., Dominica; 450 cs., J. P. Smith & Co., London

LUPULIN—50 bgs., Quigley Furnace Spec. Co., Rotterdam

LYCOPODIUM—25 cs., Russian Produce, Ltd., Danzig; 1 cse., C. B. Richard & Co., Hamburg

MAGNESITE—25 bgs., Order, Madras; Calcined, 10 cs., Order, Hull; 108 csk., H. J. Baker & Bro., Rotterdam; 116 csk., H. J. Baker & Bro., Rotterdam; 710 bbls., Brown Bros. & Co., Rotterdam

MAGNESIUM SALTS—Carbonate, 20 cs., Order, Leith; 10 cs., Order, Hull; Chloride, 100 bbls., Iscoga Chemical Co., Hamburg; Oxide, 14 cs., Eli Lilly Co., Ltd., Leith; Powdered Metal, 20 cs., Order, Hamburg

MANGANESE PEROXIDE—1 cse., Order, Hamburg

MOLYBDENITE—117 bgs., Order, London

MYROBALANS—8,000 pkts., Order, Calcutta; 3,388 pkts., Standard Bank of South Africa, Calcutta; 10,783 pkts., Order, Calcutta; 2,688 bgs., Order, Bombay

NAPHTHALENE—147 csk., Order, Hamburg

NUX VOMICA—561 bgs., Order, Calcutta

OILS—Coal Tar, 40 csk., R. F. Downing & Co., Rotterdam; Cod, 10 bbls., Order, Hull; Codliver, 50 cs., Schleffelin & Co., Rotterdam; Cottonseed, 100 bbls., Order, Rotterdam; 500 bbls., Order, Hamburg; Linseed, 1,218 bbls., Munn & Jenkins, Rotterdam; 345 tons in bulk, Order, London; 805 tons, 2 bbls., Guaranty Trust Co., Hull; 572 bbls., National Lead Co., Rotterdam; 1,436 bbls., Munn & Jenkins, Rotterdam; 431 bbls., O. H. Keutgen & Co., Hull; 820 tons, 5 cwt., 1 qu., 6 bls., Spencer & Kellogg, Hull; 445 bbls., Order, Hull; 144 bbls., L. C. Naisawald & Sons, Rotterdam; 70 bbls., Netherland Chemical Co., Rotterdam; 350 bbls., Order, Bristol; 588 bbls., Order, Bristol; Neatsfoot, 6 bbls., Tupman Thurlow Co., Puerto Cabello; Nut, 453 csk., Guaranty Trust Co., Hankow; 300 csk., Central Union Trust Co., Hankow; 300 csk., Bank of Manhattan Co., Hankow; Olive, 700 cs., P. Pastene & Co., Genoa; 601 cs., J. F. Roncalleo, Genoa; 2 cs., 1 csk., J. S. Sembrada & Co., Genoa; 100 csk., National Bank of Commerce, Genoa; 100 cs., F. N. Giavi, Genoa; 1 cse., E. Buckler, Genoa; 150 cs., E. Penna, Genoa; 4 cs., Hudson Forwarding & Shipping Co., Genoa; 5 cs., V. Uerhain, Genoa; 100 cs., Oceano Shipping Co., Genoa; 750 cs., F. Romeo & Co., Genoa; 200 cs., Latoracea Bros., Genoa; 325 cs., D. Antolini & Co., Genoa; 100 cs., Angelina & Protta Co., Genoa; 3,389 pkgs., Order, Genoa; 12 cs., Hudson Forwarding & Shipping Co., Genoa; 2 bbls., G. Gomi, Naples; 50 cs., General Transport Co., Naples; 4 bbls., G. Ascione, Naples; 2 bbls., 1 cse., Hudson Forwarding & Shipping Co., Naples; 5 bbls., L. De Alono, Naples; 1 cse., Globe Shipping Co., Naples; 100 cs., American Express Co., Genoa; 40 cs., Colombo Co., Catania; 2 cs., Order, Catania; 25 cs., F. H. Leggett & Co., Bordeaux; 2

- csks., Order, Palermo; 5 cs., G. Macri, Messina; 4 csks., C. Dolce, Palermo; 2 csks., Colombo Co., Palermo; 60 bbls., 200 cs., Order, Leghorn; 5 csks., Order, Palermo; 370 cs., Ocean Shipping Co., Genoa; 300 cs., A. Morici & Co., Genoa; 1 bx., Hudson Forwarding & Shipping Co., Genoa; 100 cs., R. J. Imperator & Son, Genoa; 250 cs., J. Garneau & Co., Genoa; 100 cs., A. Nardiello & Son, Genoa; 55 cs., G. Schiaffino & Co., Genoa; 250 cs., A. Pepe & Co., Genoa; 50 csks., 200 cs., A. Fiore & Co., Genoa; 70 cs., Marranzini & Corranio, Genoa; 300 cs., M. P. Tribuno, Genoa; 100 bbls., 54 cs., Strohmeier & Arpe, Genoa; 350 cs., F. Bertoli & Co., Genoa; 100 bbls., National Bank of Commerce, Genoa; 100 bbls., Great Atlantic & Pacific Tea Co., Genoa; 50 cs., J. Solari & Co., Genoa; 200 cs., Parodi Erminio & Co., Genoa; 243 cs., Von Bremen Asche & Co., Genoa; 150 cs., Van Oppen & Co., Genoa; 400 cs., Order, Genoa; **Palm Kernel**, 172 bbls., Order, Hull; 39 csks., E. F. Jones Chemical Co., Hull; **Rape-seed**, 100 bbls., Netherland Chemical Co., Hull; 50 bbls., Boyes Kionto & Co., Hull; 100 bbls., Order, Hull; **Wood**, 140 csks., Vile, Blackwell & Buch, Shanghai
- OILS, ESSENTIAL**—1 cse., Hudson Forwarding & Shipping Co., Naples; 3 bbls., D. C. Andrews, Naples; 1 bbl., L. Francesco, Naples; 11 cs., Colombo Co., Catania; 201 cs., J. B. Horner & Co., Catania; 168 cs., Leghorn Trading Co., Catania; 4 cs., Fritzsche Bros., Catania; 5 cs., G. Luaders & Co., Catania; 58 cs., South Pacific Co., Bordeaux; 13 cs., Polaks Frutal Works, Rotterdam; 100 cs., Order, Messina; 250 pkgs., Order, Genoa; 4 pkgs., Roure Bertrand Fils, Havre; 1 cse., Barber S. S. Co., Havana; 17 cs., Ungerer & Co., London; 1 cse., G. W. Sheldon & Co., Hamburg; 7 cs., Eimer & Amend, Hamburg; 3 drums, Chemical National Bank, Hamburg; **Bay**, 1 cse., G. Preston, Arechio; **Bergamot**, 20 cs., A. Chris & Co., Messina; **Camphor**, 137 bbls., D. L. Moss & Co., Shanghai; **Caraway**, 5 cs., J. W. Lyon & Co., Rotterdam; **Citronella**, 16 drs., Equitable Trust Co., Batavia; 10 drs., C. T. Wilson & Co., Colombo; **Lemon**, 200 cs., A. Chris Co., Messina; 58 cs., Brown Bros. & Co., Messina; 200 bxs., Order, Palermo; **Lime**, 4 cs., Planters Produce Co., Dominica; 14 cs., Middleton & Co., Dominica; 28 cs., Huth, Gillespie & Co., Dominica; 28 cs., Order, Dominica; **Orange**, 1 cse., Planters Produce Co., Dominica; 20 cs., Huth, Gillespie & Co., Kingston; 100 cs., A. Chris Co., Messina; **Rose**, 2 cs., American Express Co., Southampton
- OSSEINE**—36 bgs., Milligan & Higgins Glue Co., Bordeaux
- PHOSPHORUS**—Red Amorphous, 200 cs., Order, Hamburg; **Sesquisulfite**, 60 cs., Irving National Bank, Hamburg; **White**, 150 cs., W. E. Miller, Antwerp
- PLUMBAGO**—270 bgs., Order, Colombo
- POTASSIUM SALTS**—8 csks., Order, Hamburg; **Bromide**, 40 bxs., Cooper & Cooper, Hamburg; 58 csks., Order, Hamburg; 43 cs., Order, Hamburg; **Carbonate**, 31 csks., Order, Hamburg; 17 csks., P. H. Petry & Co., Bremerhaven; **Caustic**, 100 drs., P. White & Co., Hamburg; 213 drs., Roessler & Hasslacher Chemical Co., Hamburg; **Chlorate**, 2,440 bbls., Order, Hamburg; **Permanganate**, 121 drs., Irving National Bank, Hamburg; **Prussiate**, 115 bbls., Superfos Co., Christiania; **Red Prussiate**, 6 csks., Order, Hamburg
- PUMICE STONE**—5,502 bgs., Gallagher & Ascher, Canneto Lipari; **Lump**, 137 bgs., R. J. Waddell & Co., Canneto Lipari; 25 csks., Gallagher & Ascher, Canneto Lipari; **Lump**, 137 bgs., R. J. Waddell & Co., Canneto Lipari; 25 csks., Gallagher & Ascher, Canneto Lipari; **Powdered**, 166 bgs., R. J. Waddell & Co., Canneto Lipari
- QUEBRACHO WOOD**—21,372 pcs., The Tannin Corp., Santa Fe
- QUININE**—30 cs., Order, Rotterdam
- RENNET**—2 cs., A. Daigger & Co., Christiania
- ROOTS**—5 bgs., First National Bank, Hamburg; **Aconite**, 2 bgs., A. Joensson Co., Antwerp; 10 bgs., Order, Hamburg; **Alkanet**, 4 bbls., First National Bank, Hamburg; **Belladonna**, 64 bbls., Chemical National Bank, Hamburg; **Broom**, 139 bbls., H. Friest, Inc., Vera Cruz; 200 bbls., Parsons Trading Co., Vera Cruz; 100 bbls., Triest Co., Vera Cruz; **Dandelion**, 50 bbls., Chemical National Bank, Hamburg; **Sarsaparilla**, 24 bbls., Graham Hinkley & Co., Vera Cruz; 13 bbls., Lanman & Kemp, Vera Cruz; 10 bbls., Order, Vera Cruz; 1 bbl., J. E. Kerr & Co., Kingston; 12 bbls., Eli Lilly & Co., Kingston
- ROSIN**—134 csks., Eastman Kodak Co., Bordeaux; 12 cs., W. R. Grace & Co., Para
- SAFFRON**—10 cs., L. Gandolfi & Co., Genoa; 2 cs., Order, Barcelona
- SAL AMMONIAC**—44 csks., Irving National Bank, Hamburg; 110 drs., Chemical National Bank, Hamburg
- SALT**—3,256 bgs., C. F. Rutgers & Co., Hamburg; 1,120 cs., C. F. Rutgers & Co., Hamburg; 815 tons, Order, Inagua
- SALTPETRE**—350 bgs., Order, Calcutta
- SEEDS**—Castor, 22,947 bgs., Order, Bombay; **Caraway**, 200 bgs., Atco Trading Co., Rotterdam; 150 bgs., Abbell & Co., Hamburg; 130 bgs., Archibald & Lewis Co., Hamburg; 300 bgs., Jaburg Bros., Hamburg; **Cardamom**, 25 cs., American Exchange National Bank, Colombo; 30 cs., Order, Bombay; 35 cs., Huth & Gillespie, Central American Ports; **Cumin**, 28 bgs., J. J. Toledano & Co., Bordeaux; **Flax**, 29,424 bgs., American Linseed Co., Buenos Aires; 33,047 bgs., American Linseed Co., Ramallo; **Mustard**, 50 bgs., Rosenstein Co., Rotterdam; 295 bgs., R. F. Downing & Co., London; **Poppy**, 100 bgs., Levy Lewis & Co., Rotterdam; **Blue**, 168 bgs., Order, Hamburg; **Rape**, 40 bgs., I. D. Nordlinger, Rotterdam
- SENNA**—Siftings, 10 bbls., Anglo Egypt Bank, Port Sudan
- SHELLAC**—175 bgs., Heidelberg, Ickelheimer & Co., Calcutta; 200 bgs., Bank of New York, Calcutta; 100 bgs., British Bank of America, Calcutta; 500 bgs., London & Liverpool Bank of Commerce, Calcutta; 700 bgs., Chase National Bank, Calcutta; 215 bgs., Brown Bros. & Co., Calcutta; 4,372 bgs., 37 cs., 1 chest, Order, Calcutta; 42 bgs., Order, Calcutta; 60 cs., F. Henjes, Jr., Bremerhaven; 200 bgs., Order, Calcutta; **Garnet**, 20 bgs., Irving National Bank, Hamburg
- SILVER SULFIDE**—1 cse., Mercantile Bank of America, Valparaiso; 19 cs., W. R. Grace & Co., Pacasmayo
- SOAP**—50 cs., Order, Genoa; 630 cs., White Star Line, Naples; 73 cs., Erie R. R. Co., Hamburg
- SODIUM SALTS**—**Bromide**, 20 cs., Chemical National Bank, Hamburg; 32 cs., Order, Hamburg; **Chlorate**, 200 bbls., Order, Hamburg; **Hydrosulfite**, 200 csks., American Exchange National Bank, Rotterdam; **Nitrate**, Prussiate, 23 csks., H. Kohnstamm & Co., London; 23 csks., Order, London; 22 csks., Order, Antwerp; 38 csks., Irving National Bank, Hamburg; **Silico Fluoride**, 100 bgs., Superfos Co., Christiania
- SPICES**—**Cassia**, 705 bbls., Fidelity International Trust Co., Padang; **Chillies**, 6 bbls., Order, Bombay; **Cloves**, 400 bbls., Furness, Withy & Co., Naples; 300 bbls., A. Chiris & Co., London; **Ginger**, 3 bbls., F. S. Maynard & Son, Dominica; 1 crate, Cottman & Co., Dominica; 4 bgs., Export Fish Co., San Juan; 5 bbls., A. Papalia, San Juan; **Mace**, 67 cs., Bankers Trust Co., Padang; 121 cs., Order, Macassar; 3 cs., 1 csk., D. L. Silverman, Grenada; 429 bbls., Huth, Gillespie & Co., Grenada; **Padang**, 50 cs., Catz American Co., Rotterdam; **Mustard**, 109 cs., Huth & Co., Southampton; 110 cs., Order, Bordeaux; 100 bgs., Knickerbocker Mills Co., Grenada; 50 bgs., D. L. Silverman, Grenada; 1 bg., Royal Bank of Canada, Grenada; 16 bgs., Huth, Gillespie & Co., Grenada; **Nutmegs**, 84 bgs., Smith & Schipper, Singapore; 411 bgs., Brown Bros. & Co., Padang; 160 bgs., Bankers Trust Co., Padang; 100 bgs., E. Miltenberg, Macassar; 853 cs., 105 bgs., Order, Macassar; **Paprika**, 60 bgs., G. Segal & Co., Hamburg; 429 bbls., Order, Bombay; **Pepper**, 196 bgs., Furness, Withy & Co., Naples; 140 bgs., C. T. Wilson & Co., Singapore; **White**, 500 bgs., American Exchange National Bank, Batavia; 590 bgs., C. T. Wilson & Co., Singapore; 910 bgs., Order, Singapore; **Pimento**, 307 bgs., C. L. Hulsing & Co., Kingston
- SPONGES**—6 cs., Order, Calcutta; 20 bbls., Order, Havana; 181 bgs., Cunard S. S. Co., Nassau; 8 bbls., American Sponge & Chamolis Co., Nassau; 34 bbls., Order, Nassau; 82 bbls., Lasker & Bernstein, Havana; 48 bbls., American Sponge & Chamolis Co., Havre
- SUMAC**—280 bgs., A. Klipstein & Co., Palermo; 1,050 bgs., Order, Palermo
- TALC**—450 csks., Bankers Trust Co., Genoa; 300 bgs., Lincoln Trust Co., Genoa; 300 bgs., L. A. Salomon & Bros., Genoa
- TAPIOCA FLOUR**—2,715 bgs., Stein, Hall & Co., Rotterdam; 1,839 bgs., National Bank of New York, Hamburg; 2,197 bgs., Philadelphia National Bank, Batavia; 1,963 bgs., Tradesman National Bank, Batavia; 2,159 bgs., Handelsveerguing Amsterdam, Sourabaya; 1,522 bgs., Order, Penang
- TARTAR, CREAM**—150 bbls., Superfos Co., Rotterdam; 100 kgs., Litter & Allen, Rotterdam
- WAX**—15 cs., Lehn & Fink, Havre; 40 cs., L. A. Salomon & Bros., Havre; 3 cs., Barber S. S. Co., Havana; 2 cs., Rietman Pilger & Co., Antwerp; **Bees**, 100 cs., Order, Hamburg; 10 bgs., Order, London; 48 bgs., Strohmeier & Arpe Co., Valparaiso; 95 bgs., Order, Havana; 4 bgs., Schlubach, Thiemer & Co., South Pacific Ports; 10 bgs., Order, London; **Carnauba**, 305 bgs., London & Brazilian Bank, Para; 136 bgs., Order, Para; **Ceresin**, 83 bgs., Order, Hamburg; **Montan**, 300 bgs., Order, Hamburg; **Ozokerite**, 19 bgs., Order, Hamburg
- WHITING**—2,864 bgs., Taintor Trading Co., Dunkirk
- ZINC SALTS**—**Chloride**, 51 drs., W. F. Sprague & Co., Hamburg; **Oxide**, 100 csks., Irving National Bank, Antwerp; 75 bgs., A. Klipstein & Co., Antwerp; **Resinate**, 10 csks., Order, London; **White**, 200 bbls., Bankers Trust Co., Marseilles; 50 bbls., Order, Marseilles

N. J. MANUFACTURERS DISCUSS TAXES

(Special to DRUG & CHEMICAL MARKETS)

Atlantic City, N. J., May 10.—The Manufacturers' Association of New Jersey discussed the tariff, American valuation, the sales tax, and manufacturing costs at its eighth annual convention here: J. Phillip Bird, president, in his address at the opening of the meeting, favored American valuation upon imports, adoption of a national sales tax "to replace the present unjust and burdensome system," flayed the soldiers' bonus and suggested improvement of the workmen's compensation laws of the state.

Among the speakers at the banquet was United States Senator Joseph S. Freylinghuysen.

Milton Kutz, recently appointed sales manager of the Roessler & Hasslacher Chemical Co., New York, has been connected with that company for the last 25 years in various capacities. For twelve years he was in charge of the company's office in Philadelphia, whence he was recalled to New York a few months ago.

The Nichols Copper Co., has moved from the sixteenth to the seventeenth floor at 25 Broad street. It is now occupying a portion of the space recently vacated by the General Chemical Co.

Reappraisal rulings have been handed down by the Board of United States General Appraisers covering sodium fluoride, ammonium bromide and silico fluoride of sodium.

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ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.

BUSINESS OPPORTUNITIES

CHEMICAL Engineer located in Hudson Terminal Bldg., New York City, desires to represent chemical manufacturers or chemical apparatus manufacturers for domestic or export sales. References furnished. Box 131, DRUG & CHEMICAL MARKETS.

MODERN Formaldehyde plant of large capacity, with rectifying installation for wood alcohol, splendidly located at export harbor, desires cooperation with producers of crude and pure methyl alcohol. Syntes, NOL, SWEDEN.

CASTILE SOAP factory in centre of Oil district in Spain is open to contract part of its production direct to American distributor or consumer, guaranteeing to supply conforming to buyer's samples or analysis. J. Salas, Almagro 15, Madrid, Spain.

WANTED to rent a plant, or arrange with a plant now running, to grind from five to ten tons daily blast furnace slag to 100

BUSINESS OPPORTUNITIES

mesh, mix this with another powder and bag. Preferred location New Jersey or Eastern Pennsylvania. Box 140, DRUG & CHEMICAL MARKETS.

WANTED Pharmaceutical chemist with ten to twenty-five thousand dollars to invest, together with services, in a going pharmaceutical business. References and investigation exchanged. Box 135, DRUG & CHEMICAL MARKETS.

PART-TIME work. Instructor in chemistry in Philadelphia school has spare time available for advisory or consulting work. Would like to associate with small organizations which could use to advantage occasional technical assistance. Have had ten years' practical operating and development experience. Address Box 152, DRUG & CHEMICAL MARKETS.

WE offer to do special formula work, including the manufacture of toilet specialties and flavoring extracts under customer's label at reasonable prices. Frank S. Betz Company, Chicago—Hammond, Ind.—New York.

SITUATIONS WANTED

COLLEGE graduate in chemical engineering, 20, wishes to locate with reliable concern. Plant operation or research work preferred. Location immaterial. Box 136, DRUG & CHEMICAL MARKETS.

SITUATIONS WANTED

TEACHING or INDUSTRIAL RESEARCH position desired by chemist with thorough training in both organic and inorganic chemistry. Ph.D. from prominent mid-western university; has had seven years experience in university teaching and over five years experience in organic chemical research (dyes, intermediates, coal-tar products) in industrial and government laboratories. Address Box 154, DRUG & CHEMICAL MARKETS.

VISCOSE, chemist with some knowledge of this product desires change. Address Box 150, DRUG & CHEMICAL MARKETS.

YOUNG lady, high school graduate four years Drug, Chemical, Oil, experience, desires position Secretary-stenographer. Knowledge buying, selling. Salary \$25.00. Box 156, DRUG & CHEMICAL MARKETS.

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CONTINUED ON FOLLOWING PAGE

A Dye Line 40 Years Long

One of the first to realize the natural geographic advantages of Newark for manufacturing purposes was the Central Dyestuff & Chemical Co., which undertook the manufacture of an extensive line of dyestuffs back in 1898. The company makes most of the intermediates entering into the manufacture of its Acid, Basic, Chrome and Direct Colors.

Removed but a short distance from the Central plant is that of the Consolidated Color and Chemical Co. The colors made by them are augmentative to those of the Central line, including many of the important Sulphur group, so the result of these two is a complete and well-balanced line of Acid, Basic, Chrome, Direct and Sulphur Colors, as well as nigrosines, oil colors, wood stains, turkey red oils and the like.

In conjunction with these the Consolidated Color & Chemical Co. also produces a line of sizing, softening, bleaching and finishing materials, known to the trade as the "VICTORIA" products.

The products of the two companies are distributed through the sales organization of H. A. Metz & Co., Inc., having its principal office at 122 Hudson Street, New York, with branches in Boston, Providence, Chicago, Philadelphia, Charlotte and San Francisco.

In addition to these Made-in-America products we will procure for you on import licenses colors not as yet made here in sufficient quantity or of suitable quality or at reasonable prices.

This alignment of manufacturing facilities enhanced by access to goods not available here, administered by men whose equipment includes an experience of more than forty years, must appeal to all consumers of dyestuffs.



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SALES MANAGER; established N. Y. pharmaceutical house also making exceptionally fine line of specialties for dispensing physicians and retail drug trade, desires live-wire sales manager capable of holding and increasing present profitable business. Inducements to right man. Write full particulars in confidence to Drugs, Box 137, DRUG & CHEMICAL MARKETS.

SALESMEN: to sell "Todd's Tonic" as exclusive or side line to drug trade. Permanent and profitable position for responsible and experienced men. Write for sales arrangement stating experience and territory desired. Harry I. Neaman, 7213-15 Hamilton Ave., Pittsburgh, Pa.

TABLET man wanted by pharmaceutical manufacturing house. Must be thoroughly experienced and able to do first class work. Give full particulars as to training and experience in first letter. Box 155, DRUG & CHEMICAL MARKETS.

SALESMAN—By a large wholesale house. Must be thoroughly competent and experienced in selling complete line of drugs and druggist sundries, to cover the retail drug trade in New Jersey shore territory. Excellent opportunity for the right man. Federal Drug Co., Inc., 1010 Broad St., Newark, N. J.

HELP WANTED

WANTED—Chemical laboratory assistant for analytical work in dye stuff plant located at Newark, N. J. Box 151, DRUG & CHEMICAL MARKETS.

WANTED—Man to take charge of new packaging dept. of old established Drug House. In replying give age, experience, reference, salary expected, etc. Box 153, DRUG & CHEMICAL MARKETS.

WANTED—Salesman familiar with the marketing of metallic soaps for the cement, paint and varnish trades. Box 147, DRUG & CHEMICAL MARKETS.

WANTED—Crew managers; agents, don't accept a proposition until you get our particulars and samples; money makers. Bacorn Co., Elmira, N. Y.

DETAIL MAN familiar with retail drug trade to sell pharmaceutical specialties on commission. Can be carried as a side line. Box 145, DRUG & CHEMICAL MARKETS.

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SODIUM, Potassium and Ammonium Nitrate. We obtain these as a by-product, and offer them at very attractive prices. Box 132, DRUG & CHEMICAL MARKETS.

ORDER F & G Blue Package Drugs. They are pure, attractive, profitable and superior. Faxon & Gallagher Drug Co., Kansas City, Mo.

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WANTED—Special offerings of large quantities on discontinued items, close-outs, surplus materials patent medicines, medical and hospital supplies, druggist sundries, toilet articles, anything interesting to drug and department store trade. Box 148, DRUG & CHEMICAL MARKETS.

SUBSCRIBER offers spot Japan Vegetable Wax at advantageous prices. Samples on request. Box 145, DRUG & CHEMICAL MARKETS.

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SURPLUS Plant equipment, boilers; pumps; tanks; wood and steel kettles; dryers; blowers; mills. Send for lists. Hercules Powder Co., Chronicle Building, San Francisco, Cal.

WANTED—Ball grinder, mushroom type, Jacoby or Brown make. Capacity one barrel. Box 142, DRUG & CHEMICAL MARKETS.

WANTED—Second hand liquid chlorine cylinders, good condition. State number, size, price, and location. Box 133, DRUG & CHEMICAL MARKETS.

LABORATORY power driven ball mill wanted. Interstate Chemical Company, 667 Garfield Ave., Jersey City, N. J.

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Buyers' Guide

For full particulars as to products and addresses see Index of Advertisers on the page following.

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Battelle & Renwick	Litter & Allen
Bowker Chemical Co.	Merchants Chemical Co.
Butterworth Judson Corp.	Meteor Products Co.
Church & Dwight	Mathieson Alkali Works
The Cleveland-Cliffs Iron Co.	The Miner-Edgar Co.
Commercial Solvents Corp.	Nichols Copper Co.
Contact Process Co.	Pacific Chemical Co.
Chas. Cooper & Co.	Pfaltz & Bauer
The Dow Chemical Co.	Protexol Corp.
E. I. du Pont de Nemours & Co.	Roesler & Hasslacher Chem.
Ellis Jackson & Co.	Semet Solvay Co.
B. G. Feinberg	Solvay Process Co.
General Chemical Co.	Stein Hall & Co.
Goldsmith Bros. Sm. & Refg. Co.	George F. Taylor Co.
Grasselli Chemical Co.	U. S. Industrial Alcohol Co.
Wm. S. Gray & Co.	Victor Chemical Works
R. W. Greeff & Co.	The Warner Chemical Co.
Innis Speiden & Co.	Wilckes-Martin-Wilckes Co.
Wm. E. Jordan & Co.	Jacques Wolf & Co.
A. Klipstein & Co.	

FINE CHEMICALS

Abbott Laboratories	Litter & Allen
Baird & McGuire	Magnus, Mabec & Reynard, Inc.
Bowker Chemical Co.	Mallinckrodt Chemical Works
Chicago Starch Co.	May & Baker
Antoine Chiris Co.	Merck & Co.
Commercial Solvents Corp.	Meteor Products Co.
Commonwealth Chemical Corp.	H. A. Metz & Co.
Charles Cooper & Co.	The Miner-Edgar Co.
The Dow Chemical Co.	Monsanto Chemical Works
Eastman Kodak Co.	N. Y. Quinine & Chemical Wks.
B. G. Feinberg	Pacific Chemical Co.
E. Fougere & Co.	Pfaltz & Bauer
T. Fujisawa & Co.	Powers-Weightman-Rosengarten
Grasselli Chemical Co.	Roesler & Hasslacher Chemical Co.
William S. Gray & Co.	Stein Hall & Co.
R. W. Greeff & Co.	U. S. Industrial Chemical Co.
A. H. Higbie	Victor Chemical Works
A. Klipstein & Co.	Wilckes-Martin-Wilckes Co.
Jose Lopez	

DYESTUFFS

Butterworth-Judson Corp.	H. A. Metz & Co.
Calco Chemical Co.	National Aniline & Chemical Co.
Chemical Co. of America	
Dow Chemical Co.	New Brunswick Chem. Co.
Essex Aniline Works	Newport Chemical Works
E. I. du Pont de Nemours & Co.	Sanborn Chemical Works
Ellis Jackson & Co.	Stein Hall & Co.
Grasselli Chemical Co.	George F. Taylor Co.
A. Klipstein & Co.	Jacques Wolf & Co.

COAL TAR PRODUCTS

Abbott Laboratories	Jordan Coal Tar Products Co.
Baird & McGuire	H. A. Metz & Company
The Barrett Co.	Monsanto Chemical Works
Butterworth-Judson Corp.	National Aniline & Chemical Co.
Calco Chemical Co.	
Chatfield Mfg. Co.	Newport Chemical Works
Chemical Company of America	Pacific Chemical Co.
Commonwealth Chemical Corp.	Protexol Corp.
Essex Aniline Works	Sanborn Chemical Works
E. I. du Pont de Nemours & Co.	The Walker Chemical Co.

FATTY OILS

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A. Klipstein & Co.	Jacques Wolf & Co.
New Brunswick Chem. Co.	

ESSENTIAL OILS

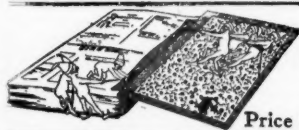
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	Pfaltz & Bauer

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KANSAS CITY	U. S. Industrial Alcohol Co., 1409 West 10th Street
NEW ORLEANS	U. S. Industrial Alcohol Co., 1008 Maison Blanche Building
PITTSBURGH	U. S. Industrial Alcohol Co., 601 Empire Building
CLEVELAND	U. S. Industrial Alcohol Co., 374 Kirby Building
DETROIT	U. S. Industrial Alcohol Co., 616 Union Trust Building
INDIANAPOLIS	U. S. Industrial Alcohol Co., 129 North Davidson Street
CINCINNATI	U. S. Industrial Alcohol Co., Evans St. and C. H. D. R. R. Crossing
PEORIA	U. S. Industrial Alcohol Co.

Index To Advertisers

Abbott Laboratories	4th cover
Baird & McGuire	1095
M. L. Barrett Co.	1102
The Barrett Co.	1062
Battelle & Renwick	1092
Bowker Chemical Co.	1097
Buffalo Foundry & Machine Co.	—
W. J. Bush & Co.	4th cover
Butterworth-Judson Corp.	1095
Calco Chemical Co.	1060
The Chatfield Mfg. Co.	1111
The Chemical Age	1098
Chemical Co. of America	1096
Chemical Trade Journal	1111
Chicago Starch Co.	1101
Antoine Chiris Co.	1104
Church & Dwight	1097
The Cleveland-Cliffs Iron Co.	1053
Commercial Solvents Corp.	1089
Commonwealth Chemical Corp.	1100
Contact Process Co.	1111
Charles Cooper & Co.	1087
The Dow Chemical Co.	1099
E. I. du Pont de Nemours & Co., Dyestuffs Department	1st cover
Intermediates Department	1094
Eastman Kodak Co.	1086
Ellis Jackson & Co.	—
Essex Aniline Works	1095
B. G. Feinberg	1102
E. Fougere & Co.	1087
Fritzsche Bros.	1103
F. Fujisawa & Co.	1104
General Chemical Co.	1061
Goldsmith Bros. Smelting & Refining Co.	1111
Grasselli Chemical Co.	1088
Dyestuffs Dept.	—
William S. Gray & Co.	4th cover
R. W. Greeff & Co.	1089
A. H. Higbie	—
Innis Speiden & Co.	1090
A. Klipstein & Co.	1090
La Revue des Produits Chimiques	—
Litter and Allen	—
Jose Lopez	1100
Magnus, Mabce & Reynard, Inc.	—
Mallinckrodt Chemical Works	4th cover
Mathieson Alkali Works	—
May & Baker	1102
Merchants Chemical Co.	1108
Merck & Co.	—
Meteor Products Co.	—
H. A. Metz & Co.	1107
The Miner-Edgar Co.	1088
Monsanto Chemical Works	2nd cover
Morana, Incorporated	1103
Nashville Industrial Corp.	1108
National Aniline & Chemical Co.	4th cover
New Brunswick Chemical Co.	1097
Newport Chemical Works	1109
New York Quinine & Chemical Works.	—
Nichols Copper Co.	1100
Pacific Chemical Co.	1108
Pfaltz & Bauer	—
Powers-Weightman-Rosengarten Co.	1087
Protexol Corp.	1096
The Roessler & Hasslacher Chem. Co.	—
Sanborn Chemical Works	1095
Semet-Solvay Co.	1059
Solvay Process Co.	1091
Stein Hall & Co.	1110
George F. Taylor Co.	1111
U. S. Industrial Chemical Co.	1110
U. S. Industrial Alcohol Co.	1091
The Warner Chemical Co.	1094
The Walker Chemical Co.	1102
Van Dyk & Co.	1092
Victor Chemical Works	1087
Wilkes-Martin-Wilkes Co.	1091
Wing & Evans	—
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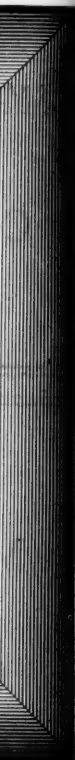
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